

# DEPARTMENT OF THE NAVY FISCAL YEAR (FY) 2019 BUDGET ESTIMATES



## JUSTIFICATION OF ESTIMATES FEBRUARY 2018

|                                                                         |
|-------------------------------------------------------------------------|
| <p>Military Construction<br/>Active Force (MCON) and Family Housing</p> |
|-------------------------------------------------------------------------|

The estimated cost for this report for the Department of the Navy (DON) is \$57,940.

The estimated total cost for supporting the DON budget justification material is approximately \$1,643,653 for the 2018 fiscal year. This includes \$79,753 in supplies and \$1,563,900 in labor.

**Part 1: Military Construction Active Force (MCON)**

**Part 2: Family Housing**

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DEPARTMENT OF THE NAVY  
FISCAL YEAR (FY) 2019  
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES  
FEBRUARY 2018

Military Construction  
Active Force (MCON)

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**DEPARTMENT OF THE NAVY  
FY 2019 Military Construction**

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- B. EUROPEAN DETERRENCE INITIATIVE (EDI) MILCON
- C. HOST COUNTRY IN-KIND CONTRIBUTIONS PROJECTS

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**DEPARTMENT OF THE NAVY  
FY 2019 Military Construction**

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# DEPARTMENT OF THE NAVY

## FY 2019 Military Construction

### Summary of Locations

| <u>State/Country</u>                         | <b>Auth Request<br/>(\$000)</b> | <b>Approp Request<br/>(\$000)</b> |
|----------------------------------------------|---------------------------------|-----------------------------------|
| <b><u>Inside The United States</u></b>       |                                 |                                   |
| CALIFORNIA                                   | 661,310                         | 661,310                           |
| DISTRICT OF COLUMBIA                         | 115,600                         | 115,600                           |
| FLORIDA                                      | 111,460                         | 111,460                           |
| HAWAII                                       | 189,420                         | 189,420                           |
| MAINE                                        | 149,685                         | 149,685                           |
| NORTH CAROLINA                               | 240,830                         | 240,830                           |
| PENNSYLVANIA                                 | 71,050                          | 71,050                            |
| SOUTH CAROLINA                               | 44,707                          | 44,707                            |
| UTAH                                         | 105,520                         | 105,520                           |
| VIRGINIA                                     | 48,100                          | 48,100                            |
| WASHINGTON                                   | 116,340                         | 116,340                           |
| <b>Subtotal</b>                              | <b>1,854,022</b>                | <b>1,854,022</b>                  |
| <b><u>Outside the United States</u></b>      |                                 |                                   |
| BAHAMAS                                      | 31,050                          | 31,050                            |
| BAHRAIN ISLAND                               | 26,340                          | 26,340                            |
| CUBA                                         | 85,000                          | 85,000                            |
| GERMANY                                      | 43,950                          | 43,950                            |
| GUAM                                         | 279,657                         | 279,657                           |
| JAPAN                                        | 9,049                           | 9,049                             |
| <b>Subtotal</b>                              | <b>475,046</b>                  | <b>475,046</b>                    |
| <b><u>Various Locations</u></b>              |                                 |                                   |
| Various Locations                            | 0                               | 214,121                           |
| <b>Subtotal</b>                              | <b>0</b>                        | <b>214,121</b>                    |
| <b>Total - FY 2019 Military Construction</b> | <b>2,329,068</b>                | <b>2,543,189</b>                  |

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# DEPARTMENT OF THE NAVY

## FY 2019 Military Construction

### Index of Locations for Navy and Marine Corps Projects

| State/<br>Cntry                 | Proj<br>No. | Location                                                                | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|---------------------------------|-------------|-------------------------------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <u>Inside the United States</u> |             |                                                                         |                         |                           |         |             |
| <b>CALIFORNIA</b>               |             |                                                                         |                         |                           |         |             |
|                                 |             | MARINE CORPS BASE CAMP PENDLETON<br><u>CAMP PENDLETON, CALIFORNIA</u>   |                         |                           |         |             |
|                                 | 079         | Potable Water Distribution Improvements                                 | 47,230                  | 47,230                    | Current | 3           |
|                                 | 1901        | AAV-ACV Maintenance & Warehouse Facility                                | 49,410                  | 49,410                    | Current | 9           |
|                                 | 5001        | Full Motion Trainer Facility                                            | 10,670                  | 10,670                    | New     | 15          |
|                                 | 5002        | Electrical Upgrades                                                     | 4,020                   | 4,020                     | New     | 19          |
|                                 |             | Subtotal                                                                | 111,330                 | 111,330                   |         |             |
|                                 |             | NAVBASE CORONADO SAN DIEGO CA<br><u>CORONADO, CALIFORNIA</u>            |                         |                           |         |             |
|                                 | 1018        | CMV-22B Airfield Improvements                                           | 77,780                  | 77,780                    | Current | 25          |
|                                 |             | Subtotal                                                                | 77,780                  | 77,780                    |         |             |
|                                 |             | NAS LEMOORE CA<br><u>LEMOORE, CALIFORNIA</u>                            |                         |                           |         |             |
|                                 | 284         | F-35 Maintenance Hangar                                                 | 112,690                 | 112,690                   | New     | 33          |
|                                 |             | Subtotal                                                                | 112,690                 | 112,690                   |         |             |
|                                 |             | MCAS MIRAMAR<br><u>MIRAMAR, CALIFORNIA</u>                              |                         |                           |         |             |
|                                 | 222         | F-35 Vertical Landing Pads and Taxiway                                  | 20,480                  | 20,480                    | New     | 41          |
|                                 | 238         | Airfield Security Improvements                                          | 11,500                  | 11,500                    | Current | 45          |
|                                 |             | Subtotal                                                                | 31,980                  | 31,980                    |         |             |
|                                 |             | NAVBASE VENTURA CTY PT MUGU CA<br><u>POINT MUGU, CALIFORNIA</u>         |                         |                           |         |             |
|                                 | 777         | Directed Energy Systems Integration Lab                                 | 22,150                  | 22,150                    | Current | 51          |
|                                 |             | Subtotal                                                                | 22,150                  | 22,150                    |         |             |
|                                 |             | NAVBASE SAN DIEGO<br><u>SAN DIEGO, CALIFORNIA</u>                       |                         |                           |         |             |
|                                 | 0888        | Harbor Drive Switching Station                                          | 48,440                  | 48,440                    | Current | 57          |
|                                 | 440         | Pier 8 Replacement                                                      | 108,100                 | 108,100                   | Current | 63          |
|                                 |             | Subtotal                                                                | 156,540                 | 156,540                   |         |             |
|                                 |             | NAVBASE VENTURA CTY PT MUGU CA<br><u>SAN NICOLAS ISLAND, CALIFORNIA</u> |                         |                           |         |             |
|                                 | 586         | Missile Assembly Build & High Explosive Mag                             | 31,010                  | 31,010                    | New     | 69          |
|                                 |             | Subtotal                                                                | 31,010                  | 31,010                    |         |             |
|                                 |             | NAVWPNSTA SEAL BEACH<br><u>SEAL BEACH, CALIFORNIA</u>                   |                         |                           |         |             |
|                                 | 224         | Causeway, Boat Channel & Turning Basin                                  | 117,830                 | 117,830                   | Current | 77          |
|                                 |             | Subtotal                                                                | 117,830                 | 117,830                   |         |             |
|                                 |             | <b>Total - CALIFORNIA</b>                                               | <b>661,310</b>          | <b>661,310</b>            |         |             |

**DEPARTMENT OF THE NAVY**  
**FY 2019 Military Construction**

**Index of Locations for Navy and Marine Corps Projects**

| State/<br>Cntry                 | Proj<br>No. | Location                                       | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|---------------------------------|-------------|------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <u>Inside the United States</u> |             |                                                |                         |                           |         |             |
| <b>DISTRICT OF COLUMBIA</b>     |             |                                                |                         |                           |         |             |
|                                 |             | NAVAL SUPPORT ACTIVITY WASH                    |                         |                           |         |             |
|                                 |             | <u>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA</u> |                         |                           |         |             |
|                                 | 001         | Master Time Clocks & Operations Facility       | 115,600                 | 115,600                   | Current | 85          |
|                                 |             | Subtotal                                       | 115,600                 | 115,600                   |         |             |
|                                 |             | <b>Total - DISTRICT OF COLUMBIA</b>            | <b>115,600</b>          | <b>115,600</b>            |         |             |
| <b>FLORIDA</b>                  |             |                                                |                         |                           |         |             |
|                                 |             | NAVSTA MAYPORT FL                              |                         |                           |         |             |
|                                 |             | <u>MAYPORT, FLORIDA</u>                        |                         |                           |         |             |
|                                 | 426         | LCS Support Facility                           | 82,350                  | 82,350                    | New     | 95          |
|                                 | 427         | LCS Operational Training Facility Addition     | 29,110                  | 29,110                    | New     | 101         |
|                                 |             | Subtotal                                       | 111,460                 | 111,460                   |         |             |
|                                 |             | <b>Total - FLORIDA</b>                         | <b>111,460</b>          | <b>111,460</b>            |         |             |
| <b>HAWAII</b>                   |             |                                                |                         |                           |         |             |
|                                 |             | JBPHH PEARL HARBOR HI                          |                         |                           |         |             |
|                                 |             | <u>JOINT BASE PEARL HARBOR-HICKAM, HAWAII</u>  |                         |                           |         |             |
|                                 | 214         | Drydock Waterfront Facility                    | 45,000                  | 45,000                    | Current | 107         |
|                                 |             | Subtotal                                       | 45,000                  | 45,000                    |         |             |
|                                 |             | MARINE CORPS BASE HAWAII                       |                         |                           |         |             |
|                                 |             | <u>KANEOHE BAY, HAWAII</u>                     |                         |                           |         |             |
|                                 | 946         | Corrosion Control Hangar                       | 66,100                  | 66,100                    | New     | 115         |
|                                 |             | Subtotal                                       | 66,100                  | 66,100                    |         |             |
|                                 |             | JBPHH PEARL HARBOR HI                          |                         |                           |         |             |
|                                 |             | <u>PEARL CITY, HAWAII</u>                      |                         |                           |         |             |
|                                 | 169         | Water Transmission Line                        | 78,320                  | 78,320                    | Current | 123         |
|                                 |             | Subtotal                                       | 78,320                  | 78,320                    |         |             |
|                                 |             | <b>Total - HAWAII</b>                          | <b>189,420</b>          | <b>189,420</b>            |         |             |
| <b>MAINE</b>                    |             |                                                |                         |                           |         |             |
|                                 |             | NSS PORTSMOUTH NAVY SHIPYARD                   |                         |                           |         |             |
|                                 |             | <u>KITTERY, MAINE</u>                          |                         |                           |         |             |
|                                 | 1074        | Extend Portal Crane Rail                       | 39,725                  | 39,725                    | New     | 129         |
|                                 | 310         | Dry Dock #1 Superflood Basin                   | 109,960                 | 109,960                   | Current | 133         |
|                                 |             | Subtotal                                       | 149,685                 | 149,685                   |         |             |
|                                 |             | <b>Total - MAINE</b>                           | <b>149,685</b>          | <b>149,685</b>            |         |             |
| <b>NORTH CAROLINA</b>           |             |                                                |                         |                           |         |             |
|                                 |             | MCAS CHERRY POINT NC                           |                         |                           |         |             |
|                                 |             | <u>CHERRY POINT MCAS, NORTH CAROLINA</u>       |                         |                           |         |             |
|                                 | 199         | Aircraft Maintenance Hangar                    | 133,970                 | 133,970                   | New     | 139         |
|                                 | 235         | Flightline Utility Modernization               | 106,860                 | 106,860                   | Current | 145         |
|                                 |             | Subtotal                                       | 240,830                 | 240,830                   |         |             |
|                                 |             | <b>Total - NORTH CAROLINA</b>                  | <b>240,830</b>          | <b>240,830</b>            |         |             |

**DEPARTMENT OF THE NAVY  
FY 2019 Military Construction**

**Index of Locations for Navy and Marine Corps Projects**

| State/<br>Cntry                        | Proj<br>No. | Location                                                             | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|----------------------------------------|-------------|----------------------------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <b><u>Inside the United States</u></b> |             |                                                                      |                         |                           |         |             |
| <b>PENNSYLVANIA</b>                    |             |                                                                      |                         |                           |         |             |
|                                        |             | NAVSUPPACT MECHANICSBURG PA<br><u>PHILADELPHIA, PENNSYLVANIA</u>     |                         |                           |         |             |
|                                        | 106         | Submarine Propulsor Manufacturing Support Fac                        | 71,050                  | 71,050                    | New     | 153         |
|                                        |             | Subtotal                                                             | 71,050                  | 71,050                    |         |             |
|                                        |             | <b>Total - PENNSYLVANIA</b>                                          | <b>71,050</b>           | <b>71,050</b>             |         |             |
| <b>SOUTH CAROLINA</b>                  |             |                                                                      |                         |                           |         |             |
|                                        |             | MARINE CORPS AIR STATION BEAUFORT<br><u>BEAUFORT, SOUTH CAROLINA</u> |                         |                           |         |             |
|                                        | 487         | Recycling/Hazardous Waste Facility                                   | 9,517                   | 9,517                     | Current | 161         |
|                                        |             | Subtotal                                                             | 9,517                   | 9,517                     |         |             |
|                                        |             | MCRD/BEAUFORT PI SC<br><u>PARRIS ISLAND, SOUTH CAROLINA</u>          |                         |                           |         |             |
|                                        | 404         | Range Improvements & Modernization, Phase 2                          | 35,190                  | 35,190                    | Current | 167         |
|                                        |             | Subtotal                                                             | 35,190                  | 35,190                    |         |             |
|                                        |             | <b>Total - SOUTH CAROLINA</b>                                        | <b>44,707</b>           | <b>44,707</b>             |         |             |
| <b>UTAH</b>                            |             |                                                                      |                         |                           |         |             |
|                                        |             | NAS FALLON NV<br><u>HILL AFB, UTAH</u>                               |                         |                           |         |             |
|                                        | 822         | D5 Missile Motor Receipt/Storage Facility                            | 105,520                 | 105,520                   | New     | 175         |
|                                        |             | Subtotal                                                             | 105,520                 | 105,520                   |         |             |
|                                        |             | <b>Total - UTAH</b>                                                  | <b>105,520</b>          | <b>105,520</b>            |         |             |
| <b>VIRGINIA</b>                        |             |                                                                      |                         |                           |         |             |
|                                        |             | NAVAL SUPPORT STATION NRFK NSY<br><u>PORTSMOUTH, VIRGINIA</u>        |                         |                           |         |             |
|                                        | 256         | Ships Maintenance Facility                                           | 26,120                  | 26,120                    | Current | 181         |
|                                        |             | Subtotal                                                             | 26,120                  | 26,120                    |         |             |
|                                        |             | MARINE CORPS BASE QUANTICO<br><u>QUANTICO, VIRGINIA</u>              |                         |                           |         |             |
|                                        | 542         | TBS Fire Station                                                     | 21,980                  | 21,980                    | Current | 187         |
|                                        |             | Subtotal                                                             | 21,980                  | 21,980                    |         |             |
|                                        |             | <b>Total - VIRGINIA</b>                                              | <b>48,100</b>           | <b>48,100</b>             |         |             |

# DEPARTMENT OF THE NAVY

## FY 2019 Military Construction

### Index of Locations for Navy and Marine Corps Projects

| State/<br>Cntry                         | Proj<br>No. | Location                                                    | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|-----------------------------------------|-------------|-------------------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <b><u>Inside the United States</u></b>  |             |                                                             |                         |                           |         |             |
| <b>WASHINGTON</b>                       |             |                                                             |                         |                           |         |             |
|                                         |             | NAVAL BASE KITSAP BREMERTON WA<br><u>BANGOR, WASHINGTON</u> |                         |                           |         |             |
|                                         | 907         | Pier and Maintenance Facility                               | 88,960                  | 88,960                    | New     | 193         |
|                                         |             | Subtotal                                                    | 88,960                  | 88,960                    |         |             |
|                                         |             | NAS WHIDBEY ISLAND WA<br><u>WHIDBEY ISLAND, WASHINGTON</u>  |                         |                           |         |             |
|                                         | 253         | Fleet Support Facility                                      | 19,450                  | 19,450                    | New     | 201         |
|                                         | 258         | Next Generation Jammer Facility                             | 7,930                   | 7,930                     | New     | 205         |
|                                         |             | Subtotal                                                    | 27,380                  | 27,380                    |         |             |
|                                         |             | <b>Total - WASHINGTON</b>                                   | <b>116,340</b>          | <b>116,340</b>            |         |             |
|                                         |             | <b>Total - Inside The United States</b>                     | <b>1,854,022</b>        | <b>1,854,022</b>          |         |             |
| <b><u>Outside the United States</u></b> |             |                                                             |                         |                           |         |             |
| <b>BAHAMAS</b>                          |             |                                                             |                         |                           |         |             |
|                                         |             | NAS KEY WEST FL<br><u>ANDROS ISLAND, BAHAMAS</u>            |                         |                           |         |             |
|                                         | 720         | AUTEC Austere Quarters                                      | 31,050                  | 31,050                    | Current | 211         |
|                                         |             | Subtotal                                                    | 31,050                  | 31,050                    |         |             |
|                                         |             | <b>Total - BAHAMAS</b>                                      | <b>31,050</b>           | <b>31,050</b>             |         |             |
| <b>BAHRAIN ISLAND</b>                   |             |                                                             |                         |                           |         |             |
|                                         |             | NAVSUPPACT BAHRAIN<br><u>SW ASIA, BAHRAIN ISLAND</u>        |                         |                           |         |             |
|                                         | 992         | Fleet Maintenance Facility & TOC                            | 26,340                  | 26,340                    | New     | 217         |
|                                         |             | Subtotal                                                    | 26,340                  | 26,340                    |         |             |
|                                         |             | <b>Total - BAHRAIN ISLAND</b>                               | <b>26,340</b>           | <b>26,340</b>             |         |             |
| <b>CUBA</b>                             |             |                                                             |                         |                           |         |             |
|                                         |             | NAVSTA GUANTANAMO BAY<br><u>GUANTANAMO BAY, CUBA</u>        |                         |                           |         |             |
|                                         | 160         | Solid Waste Management Facility                             | 85,000                  | 85,000                    | Current | 251         |
|                                         |             | Subtotal                                                    | 85,000                  | 85,000                    |         |             |
|                                         |             | <b>Total - CUBA</b>                                         | <b>85,000</b>           | <b>85,000</b>             |         |             |
| <b>GERMANY</b>                          |             |                                                             |                         |                           |         |             |
|                                         |             | NAVSUPPACT NAPLES IT<br><u>PANZER KASERNE, GERMANY</u>      |                         |                           |         |             |
|                                         | 001         | MARFOREUR HQ Modernization and Expansion                    | 43,950                  | 43,950                    | Current | 259         |
|                                         |             | Subtotal                                                    | 43,950                  | 43,950                    |         |             |
|                                         |             | <b>Total - GERMANY</b>                                      | <b>43,950</b>           | <b>43,950</b>             |         |             |



# DEPARTMENT OF THE NAVY

## FY 2019 Military Construction

### Index of Locations for Navy and Marine Corps Projects

| State/<br>Cntry                         | Proj<br>No. | Location                                 | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|-----------------------------------------|-------------|------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <b><u>Outside the United States</u></b> |             |                                          |                         |                           |         |             |
| <b>GUAM</b>                             |             |                                          |                         |                           |         |             |
|                                         |             | NAVBASE GUAM                             |                         |                           |         |             |
|                                         |             | <u>JOINT REGION MARIANAS, GUAM</u>       |                         |                           |         |             |
|                                         | 640         | Unaccompanied Enlisted Housing           | 36,170                  | 36,170                    | Current | 223         |
|                                         |             | Subtotal                                 | 36,170                  | 36,170                    |         |             |
|                                         |             | US NAVSUPACT ANDERSEN GUAM               |                         |                           |         |             |
|                                         |             | <u>JOINT REGION MARIANAS, GUAM</u>       |                         |                           |         |             |
|                                         | 270         | ACE Gym & Dining                         | 27,910                  | 27,910                    | New     | 231         |
|                                         | 290         | Earth Covered Magazines                  | 52,270                  | 52,270                    | New     | 235         |
|                                         | 295         | Ordnance Ops                             | 22,020                  | 22,020                    | New     | 241         |
|                                         | 735         | Machine Gun Range                        | 141,287                 | 141,287                   | New     | 245         |
|                                         |             | Subtotal                                 | 243,487                 | 243,487                   |         |             |
|                                         |             | <b>Total - GUAM</b>                      | <b>279,657</b>          | <b>279,657</b>            |         |             |
| <b>JAPAN</b>                            |             |                                          |                         |                           |         |             |
|                                         |             | COMFLEACT OKINAWA JA                     |                         |                           |         |             |
|                                         |             | <u>KADENA AB, JAPAN</u>                  |                         |                           |         |             |
|                                         | 512         | Tactical Operations Center               | 9,049                   | 9,049                     | Current | 265         |
|                                         |             | Subtotal                                 | 9,049                   | 9,049                     |         |             |
|                                         |             | <b>Total - JAPAN</b>                     | <b>9,049</b>            | <b>9,049</b>              |         |             |
|                                         |             | <b>Total - Outside The United States</b> | <b>475,046</b>          | <b>475,046</b>            |         |             |
| <b><u>Various Locations</u></b>         |             |                                          |                         |                           |         |             |
|                                         | 229         | Planning & Design                        | 0                       | 185,542                   | Current | 269         |
|                                         | 219         | MCON Unspecified Minor Construction      | 0                       | 28,579                    | Current | 271         |
|                                         |             | <b>Total - Various Locations</b>         | <b>0</b>                | <b>214,121</b>            |         |             |
|                                         |             | <b>Grand Total</b>                       | <b>2,329,068</b>        | <b>2,543,189</b>          |         |             |

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**DEPARTMENT OF THE NAVY  
FY 2019 Military Construction**

**Index of Locations for Navy Projects**

| State/<br>Cntry                        | Proj<br>No. | Location                                                                      | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|----------------------------------------|-------------|-------------------------------------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <b><u>Inside the United States</u></b> |             |                                                                               |                         |                           |         |             |
| <b>CALIFORNIA</b>                      |             |                                                                               |                         |                           |         |             |
|                                        |             | MARINE CORPS BASE CAMP PENDLETON<br><u>CAMP PENDLETON, CALIFORNIA</u>         |                         |                           |         |             |
|                                        | 5001        | Full Motion Trainer Facility                                                  | 10,670                  | 10,670                    | New     | 15          |
|                                        | 5002        | Electrical Upgrades                                                           | 4,020                   | 4,020                     | New     | 19          |
|                                        |             | Subtotal                                                                      | 14,690                  | 14,690                    |         |             |
|                                        |             | NAVBASE CORONADO SAN DIEGO CA<br><u>CORONADO, CALIFORNIA</u>                  |                         |                           |         |             |
|                                        | 1018        | CMV-22B Airfield Improvements                                                 | 77,780                  | 77,780                    | Current | 25          |
|                                        |             | Subtotal                                                                      | 77,780                  | 77,780                    |         |             |
|                                        |             | NAS LEMOORE CA<br><u>LEMOORE, CALIFORNIA</u>                                  |                         |                           |         |             |
|                                        | 284         | F-35 Maintenance Hangar                                                       | 112,690                 | 112,690                   | New     | 33          |
|                                        |             | Subtotal                                                                      | 112,690                 | 112,690                   |         |             |
|                                        |             | NAVBASE VENTURA CTY PT MUGU CA<br><u>POINT MUGU, CALIFORNIA</u>               |                         |                           |         |             |
|                                        | 777         | Directed Energy Systems Integration Lab                                       | 22,150                  | 22,150                    | Current | 51          |
|                                        |             | Subtotal                                                                      | 22,150                  | 22,150                    |         |             |
|                                        |             | NAVBASE SAN DIEGO<br><u>SAN DIEGO, CALIFORNIA</u>                             |                         |                           |         |             |
|                                        | 0888        | Harbor Drive Switching Station                                                | 48,440                  | 48,440                    | Current | 57          |
|                                        | 440         | Pier 8 Replacement                                                            | 108,100                 | 108,100                   | Current | 63          |
|                                        |             | Subtotal                                                                      | 156,540                 | 156,540                   |         |             |
|                                        |             | NAVBASE VENTURA CTY PT MUGU CA<br><u>SAN NICOLAS ISLAND, CALIFORNIA</u>       |                         |                           |         |             |
|                                        | 586         | Missile Assembly Build & High Explosive Mag                                   | 31,010                  | 31,010                    | New     | 69          |
|                                        |             | Subtotal                                                                      | 31,010                  | 31,010                    |         |             |
|                                        |             | NAVWPNSTA SEAL BEACH<br><u>SEAL BEACH, CALIFORNIA</u>                         |                         |                           |         |             |
|                                        | 224         | Causeway, Boat Channel & Turning Basin                                        | 117,830                 | 117,830                   | Current | 77          |
|                                        |             | Subtotal                                                                      | 117,830                 | 117,830                   |         |             |
|                                        |             | <b>Total - CALIFORNIA</b>                                                     | <b>532,690</b>          | <b>532,690</b>            |         |             |
| <b>DISTRICT OF COLUMBIA</b>            |             |                                                                               |                         |                           |         |             |
|                                        |             | NAVAL SUPPORT ACTIVITY WASH<br><u>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA</u> |                         |                           |         |             |
|                                        | 001         | Master Time Clocks & Operations Facility                                      | 115,600                 | 115,600                   | Current | 85          |
|                                        |             | Subtotal                                                                      | 115,600                 | 115,600                   |         |             |
|                                        |             | <b>Total - DISTRICT OF COLUMBIA</b>                                           | <b>115,600</b>          | <b>115,600</b>            |         |             |

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| State/<br>Cntry                        | Proj<br>No. | Location                                                               | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|----------------------------------------|-------------|------------------------------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <b><u>Inside the United States</u></b> |             |                                                                        |                         |                           |         |             |
| <b>FLORIDA</b>                         |             |                                                                        |                         |                           |         |             |
|                                        |             | NAVSTA MAYPORT FL<br><u>MAYPORT, FLORIDA</u>                           |                         |                           |         |             |
|                                        | 426         | LCS Support Facility                                                   | 82,350                  | 82,350                    | New     | 95          |
|                                        | 427         | LCS Operational Training Facility Addition                             | 29,110                  | 29,110                    | New     | 101         |
|                                        |             | Subtotal                                                               | 111,460                 | 111,460                   |         |             |
|                                        |             | <b>Total - FLORIDA</b>                                                 | <b>111,460</b>          | <b>111,460</b>            |         |             |
| <b>HAWAII</b>                          |             |                                                                        |                         |                           |         |             |
|                                        |             | JBPHH PEARL HARBOR HI<br><u>JOINT BASE PEARL HARBOR-HICKAM, HAWAII</u> |                         |                           |         |             |
|                                        | 214         | Drydock Waterfront Facility                                            | 45,000                  | 45,000                    | Current | 107         |
|                                        |             | Subtotal                                                               | 45,000                  | 45,000                    |         |             |
|                                        |             | JBPHH PEARL HARBOR HI<br><u>PEARL CITY, HAWAII</u>                     |                         |                           |         |             |
|                                        | 169         | Water Transmission Line                                                | 78,320                  | 78,320                    | Current | 123         |
|                                        |             | Subtotal                                                               | 78,320                  | 78,320                    |         |             |
|                                        |             | <b>Total - HAWAII</b>                                                  | <b>123,320</b>          | <b>123,320</b>            |         |             |
| <b>MAINE</b>                           |             |                                                                        |                         |                           |         |             |
|                                        |             | NSS PORTSMOUTH NAVY SHIPYARD<br><u>KITTERY, MAINE</u>                  |                         |                           |         |             |
|                                        | 1074        | Extend Portal Crane Rail                                               | 39,725                  | 39,725                    | New     | 129         |
|                                        | 310         | Dry Dock #1 Superflood Basin                                           | 109,960                 | 109,960                   | Current | 133         |
|                                        |             | Subtotal                                                               | 149,685                 | 149,685                   |         |             |
|                                        |             | <b>Total - MAINE</b>                                                   | <b>149,685</b>          | <b>149,685</b>            |         |             |
| <b>PENNSYLVANIA</b>                    |             |                                                                        |                         |                           |         |             |
|                                        |             | NAVSUPPACT MECHANICSBURG PA<br><u>PHILADELPHIA, PENNSYLVANIA</u>       |                         |                           |         |             |
|                                        | 106         | Submarine Propulsor Manufacturing Support Fac                          | 71,050                  | 71,050                    | New     | 153         |
|                                        |             | Subtotal                                                               | 71,050                  | 71,050                    |         |             |
|                                        |             | <b>Total - PENNSYLVANIA</b>                                            | <b>71,050</b>           | <b>71,050</b>             |         |             |
| <b>UTAH</b>                            |             |                                                                        |                         |                           |         |             |
|                                        |             | NAS FALLON NV<br><u>HILL AFB, UTAH</u>                                 |                         |                           |         |             |
|                                        | 822         | D5 Missile Motor Receipt/Storage Facility                              | 105,520                 | 105,520                   | New     | 175         |
|                                        |             | Subtotal                                                               | 105,520                 | 105,520                   |         |             |
|                                        |             | <b>Total - UTAH</b>                                                    | <b>105,520</b>          | <b>105,520</b>            |         |             |

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| State/<br>Cntry                        | Proj<br>No. | Location                                                      | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|----------------------------------------|-------------|---------------------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <b><u>Inside the United States</u></b> |             |                                                               |                         |                           |         |             |
| <b>VIRGINIA</b>                        |             |                                                               |                         |                           |         |             |
|                                        |             | NAVAL SUPPORT STATION NRFK NSY<br><u>PORTSMOUTH, VIRGINIA</u> |                         |                           |         |             |
|                                        | 256         | Ships Maintenance Facility                                    | 26,120                  | 26,120                    | Current | 181         |
|                                        |             | Subtotal                                                      | 26,120                  | 26,120                    |         |             |
|                                        |             | <b>Total - VIRGINIA</b>                                       | <b>26,120</b>           | <b>26,120</b>             |         |             |
| <b>WASHINGTON</b>                      |             |                                                               |                         |                           |         |             |
|                                        |             | NAVAL BASE KITSAP BREMERTON WA<br><u>BANGOR, WASHINGTON</u>   |                         |                           |         |             |
|                                        | 907         | Pier and Maintenance Facility                                 | 88,960                  | 88,960                    | New     | 193         |
|                                        |             | Subtotal                                                      | 88,960                  | 88,960                    |         |             |
|                                        |             | NAS WHIDBEY ISLAND WA<br><u>WHIDBEY ISLAND, WASHINGTON</u>    |                         |                           |         |             |
|                                        | 253         | Fleet Support Facility                                        | 19,450                  | 19,450                    | New     | 201         |
|                                        | 258         | Next Generation Jammer Facility                               | 7,930                   | 7,930                     | New     | 205         |
|                                        |             | Subtotal                                                      | 27,380                  | 27,380                    |         |             |
|                                        |             | <b>Total - WASHINGTON</b>                                     | <b>116,340</b>          | <b>116,340</b>            |         |             |
|                                        |             | <b>Total - Inside The United States</b>                       | <b>1,351,785</b>        | <b>1,351,785</b>          |         |             |

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| State/<br>Cntry                         | Proj<br>No. | Location                                             | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|-----------------------------------------|-------------|------------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <b><u>Outside the United States</u></b> |             |                                                      |                         |                           |         |             |
| <b>BAHAMAS</b>                          |             |                                                      |                         |                           |         |             |
|                                         |             | NAS KEY WEST FL<br><u>ANDROS ISLAND, BAHAMAS</u>     |                         |                           |         |             |
|                                         | 720         | AUTEC Austere Quarters                               | 31,050                  | 31,050                    | Current | 211         |
|                                         |             | Subtotal                                             | 31,050                  | 31,050                    |         |             |
|                                         |             | <b>Total - BAHAMAS</b>                               | <b>31,050</b>           | <b>31,050</b>             |         |             |
| <b>BAHRAIN ISLAND</b>                   |             |                                                      |                         |                           |         |             |
|                                         |             | NAVSUPPACT BAHRAIN<br><u>SW ASIA, BAHRAIN ISLAND</u> |                         |                           |         |             |
|                                         | 992         | Fleet Maintenance Facility & TOC                     | 26,340                  | 26,340                    | New     | 217         |
|                                         |             | Subtotal                                             | 26,340                  | 26,340                    |         |             |
|                                         |             | <b>Total - BAHRAIN ISLAND</b>                        | <b>26,340</b>           | <b>26,340</b>             |         |             |
| <b>CUBA</b>                             |             |                                                      |                         |                           |         |             |
|                                         |             | NAVSTA GUANTANAMO BAY<br><u>GUANTANAMO BAY, CUBA</u> |                         |                           |         |             |
|                                         | 160         | Solid Waste Management Facility                      | 85,000                  | 85,000                    | Current | 251         |
|                                         |             | Subtotal                                             | 85,000                  | 85,000                    |         |             |
|                                         |             | <b>Total - CUBA</b>                                  | <b>85,000</b>           | <b>85,000</b>             |         |             |
| <b>GUAM</b>                             |             |                                                      |                         |                           |         |             |
|                                         |             | NAVBASE GUAM<br><u>JOINT REGION MARIANAS, GUAM</u>   |                         |                           |         |             |
|                                         | 640         | Unaccompanied Enlisted Housing                       | 36,170                  | 36,170                    | Current | 223         |
|                                         |             | Subtotal                                             | 36,170                  | 36,170                    |         |             |
|                                         |             | <b>Total - GUAM</b>                                  | <b>36,170</b>           | <b>36,170</b>             |         |             |
| <b>JAPAN</b>                            |             |                                                      |                         |                           |         |             |
|                                         |             | COMFLEACT OKINAWA JA<br><u>KADENA AB, JAPAN</u>      |                         |                           |         |             |
|                                         | 512         | Tactical Operations Center                           | 9,049                   | 9,049                     | Current | 265         |
|                                         |             | Subtotal                                             | 9,049                   | 9,049                     |         |             |
|                                         |             | <b>Total - JAPAN</b>                                 | <b>9,049</b>            | <b>9,049</b>              |         |             |
|                                         |             | <b>Total - Outside The United States</b>             | <b>187,609</b>          | <b>187,609</b>            |         |             |
| <b><u>Various Locations</u></b>         |             |                                                      |                         |                           |         |             |
|                                         | 229         | Planning & Design                                    | 0                       | 185,542                   | Current | 269         |
|                                         | 219         | MCON Unspecified Minor Construction                  | 0                       | 28,579                    | Current | 271         |
|                                         |             | <b>Total - Various Locations</b>                     | <b>0</b>                | <b>214,121</b>            |         |             |

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|----------------------------------------|-------------|-----------------------------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <b><u>Inside the United States</u></b> |             |                                                                       |                         |                           |         |             |
| <b>CALIFORNIA</b>                      |             |                                                                       |                         |                           |         |             |
|                                        |             | MARINE CORPS BASE CAMP PENDLETON<br><u>CAMP PENDLETON, CALIFORNIA</u> |                         |                           |         |             |
|                                        | 079         | Potable Water Distribution Improvements                               | 47,230                  | 47,230                    | Current | 3           |
|                                        | 1901        | AAV-ACV Maintenance & Warehouse Facility                              | 49,410                  | 49,410                    | Current | 9           |
|                                        |             | Subtotal                                                              | 96,640                  | 96,640                    |         |             |
|                                        |             | MCAS MIRAMAR<br><u>MIRAMAR, CALIFORNIA</u>                            |                         |                           |         |             |
|                                        | 222         | F-35 Vertical Landing Pads and Taxiway                                | 20,480                  | 20,480                    | New     | 41          |
|                                        | 238         | Airfield Security Improvements                                        | 11,500                  | 11,500                    | Current | 45          |
|                                        |             | Subtotal                                                              | 31,980                  | 31,980                    |         |             |
|                                        |             | <b>Total - CALIFORNIA</b>                                             | <b>128,620</b>          | <b>128,620</b>            |         |             |
| <b>HAWAII</b>                          |             |                                                                       |                         |                           |         |             |
|                                        |             | MARINE CORPS BASE HAWAII<br><u>KANEOHE BAY, HAWAII</u>                |                         |                           |         |             |
|                                        | 946         | Corrosion Control Hangar                                              | 66,100                  | 66,100                    | New     | 115         |
|                                        |             | Subtotal                                                              | 66,100                  | 66,100                    |         |             |
|                                        |             | <b>Total - HAWAII</b>                                                 | <b>66,100</b>           | <b>66,100</b>             |         |             |
| <b>NORTH CAROLINA</b>                  |             |                                                                       |                         |                           |         |             |
|                                        |             | MCAS CHERRY POINT NC<br><u>CHERRY POINT MCAS, NORTH CAROLINA</u>      |                         |                           |         |             |
|                                        | 199         | Aircraft Maintenance Hangar                                           | 133,970                 | 133,970                   | New     | 139         |
|                                        | 235         | Flightline Utility Modernization                                      | 106,860                 | 106,860                   | Current | 145         |
|                                        |             | Subtotal                                                              | 240,830                 | 240,830                   |         |             |
|                                        |             | <b>Total - NORTH CAROLINA</b>                                         | <b>240,830</b>          | <b>240,830</b>            |         |             |
| <b>SOUTH CAROLINA</b>                  |             |                                                                       |                         |                           |         |             |
|                                        |             | MARINE CORPS AIR STATION BEAUFORT<br><u>BEAUFORT, SOUTH CAROLINA</u>  |                         |                           |         |             |
|                                        | 487         | Recycling/Hazardous Waste Facility                                    | 9,517                   | 9,517                     | Current | 161         |
|                                        |             | Subtotal                                                              | 9,517                   | 9,517                     |         |             |
|                                        |             | MCRD/BEAUFORT PI SC<br><u>PARRIS ISLAND, SOUTH CAROLINA</u>           |                         |                           |         |             |
|                                        | 404         | Range Improvements & Modernization, Phase 2                           | 35,190                  | 35,190                    | Current | 167         |
|                                        |             | Subtotal                                                              | 35,190                  | 35,190                    |         |             |
|                                        |             | <b>Total - SOUTH CAROLINA</b>                                         | <b>44,707</b>           | <b>44,707</b>             |         |             |
| <b>VIRGINIA</b>                        |             |                                                                       |                         |                           |         |             |
|                                        |             | MARINE CORPS BASE QUANTICO<br><u>QUANTICO, VIRGINIA</u>               |                         |                           |         |             |
|                                        | 542         | TBS Fire Station                                                      | 21,980                  | 21,980                    | Current | 187         |
|                                        |             | Subtotal                                                              | 21,980                  | 21,980                    |         |             |
|                                        |             | <b>Total - VIRGINIA</b>                                               | <b>21,980</b>           | <b>21,980</b>             |         |             |

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| State/<br>Cntry                         | Proj<br>No. | Location                                                         | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|-----------------------------------------|-------------|------------------------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <b><u>Inside the United States</u></b>  |             |                                                                  |                         |                           |         |             |
| <b>Total - Inside The United States</b> |             |                                                                  | <b>502,237</b>          | <b>502,237</b>            |         |             |
| <b><u>Outside the United States</u></b> |             |                                                                  |                         |                           |         |             |
| <b>GERMANY</b>                          |             |                                                                  |                         |                           |         |             |
|                                         |             | NAVSUPACT NAPLES IT<br><u>PANZER KASERNE, GERMANY</u>            |                         |                           |         |             |
|                                         | 001         | MARFOREUR HQ Modernization and Expansion                         | 43,950                  | 43,950                    | Current | 259         |
|                                         |             | Subtotal                                                         | 43,950                  | 43,950                    |         |             |
|                                         |             | <b>Total - GERMANY</b>                                           | <b>43,950</b>           | <b>43,950</b>             |         |             |
| <b>GUAM</b>                             |             |                                                                  |                         |                           |         |             |
|                                         |             | US NAVSUPACT ANDERSEN GUAM<br><u>JOINT REGION MARIANAS, GUAM</u> |                         |                           |         |             |
|                                         | 270         | ACE Gym & Dining                                                 | 27,910                  | 27,910                    | New     | 231         |
|                                         | 290         | Earth Covered Magazines                                          | 52,270                  | 52,270                    | New     | 235         |
|                                         | 295         | Ordnance Ops                                                     | 22,020                  | 22,020                    | New     | 241         |
|                                         | 735         | Machine Gun Range                                                | 141,287                 | 141,287                   | New     | 245         |
|                                         |             | Subtotal                                                         | 243,487                 | 243,487                   |         |             |
|                                         |             | <b>Total - GUAM</b>                                              | <b>243,487</b>          | <b>243,487</b>            |         |             |
|                                         |             | <b>Total - Outside The United States</b>                         | <b>287,437</b>          | <b>287,437</b>            |         |             |



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| Installation/Location                                                  | Proj<br>No. | Project Title                               | Approp Request<br>(\$000) | Mission<br>Status |
|------------------------------------------------------------------------|-------------|---------------------------------------------|---------------------------|-------------------|
| <b><u>Inside the United States</u></b>                                 |             |                                             |                           |                   |
| <b><u>CALIFORNIA</u></b>                                               |             |                                             |                           |                   |
| MARINE CORPS BASE CAMP PENDLETON<br>CAMP PENDLETON, CALIFORNIA         | 079         | Potable Water Distribution Improvements     | 47,230                    | Current           |
|                                                                        | 1901        | AAV-ACV Maintenance & Warehouse Facility    | 49,410                    | Current           |
|                                                                        | 5001        | Full Motion Trainer Facility                | 10,670                    | New               |
|                                                                        | 5002        | Electrical Upgrades                         | 4,020                     | New               |
| NAVBASE CORONADO SAN DIEGO CA<br>CORONADO, CALIFORNIA                  | 1018        | CMV-22B Airfield Improvements               | 77,780                    | Current           |
| NAS LEMOORE CA<br>LEMOORE, CALIFORNIA                                  | 284         | F-35 Maintenance Hangar                     | 112,690                   | New               |
| MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA                                    | 222         | F-35 Vertical Landing Pads and Taxiway      | 20,480                    | New               |
|                                                                        | 238         | Airfield Security Improvements              | 11,500                    | Current           |
| NAVBASE VENTURA CTY PT MUGU CA<br>POINT MUGU, CALIFORNIA               | 777         | Directed Energy Systems Integration Lab     | 22,150                    | Current           |
| NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                             | 0888        | Harbor Drive Switching Station              | 48,440                    | Current           |
|                                                                        | 440         | Pier 8 Replacement                          | 108,100                   | Current           |
| NAVBASE VENTURA CTY PT MUGU CA<br>SAN NICOLAS ISLAND, CALIFORNIA       | 586         | Missile Assembly Build & High Explosive Mag | 31,010                    | New               |
| NAVWPNSTA SEAL BEACH<br>SEAL BEACH, CALIFORNIA                         | 224         | Causeway, Boat Channel & Turning Basin      | 117,830                   | Current           |
| <b><u>DISTRICT OF COLUMBIA</u></b>                                     |             |                                             |                           |                   |
| NAVAL SUPPORT ACTIVITY WASH<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA | 001         | Master Time Clocks & Operations Facility    | 115,600                   | Current           |
| <b><u>FLORIDA</u></b>                                                  |             |                                             |                           |                   |
| NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                  | 426         | LCS Support Facility                        | 82,350                    | New               |
|                                                                        | 427         | LCS Operational Training Facility Addition  | 29,110                    | New               |
| <b><u>HAWAII</u></b>                                                   |             |                                             |                           |                   |
| JBPHH PEARL HARBOR HI<br>JOINT BASE PEARL HARBOR-HICKAM, HAWAII        | 214         | Drydock Waterfront Facility                 | 45,000                    | Current           |
| MARINE CORPS BASE HAWAII<br>KANEOME BAY, HAWAII                        | 946         | Corrosion Control Hangar                    | 66,100                    | New               |
| JBPHH PEARL HARBOR HI<br>PEARL CITY, HAWAII                            | 169         | Water Transmission Line                     | 78,320                    | Current           |

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| Installation/Location                   | Proj<br>No. | Project Title                       | Approp Request<br>(\$000) | Mission<br>Status |
|-----------------------------------------|-------------|-------------------------------------|---------------------------|-------------------|
| <b><u>Inside the United States</u></b>  |             |                                     |                           |                   |
| <b><u>MAINE</u></b>                     |             |                                     |                           |                   |
| NSS PORTSMOUTH NAVY SHIPYARD            | 1074        | Extend Portal Crane Rail            | 39,725                    | New               |
| KITTERY, MAINE                          | 310         | Dry Dock #1 Superflood Basin        | 109,960                   | Current           |
| <b><u>NORTH CAROLINA</u></b>            |             |                                     |                           |                   |
| MCAS CHERRY POINT NC                    | 199         | Aircraft Maintenance Hangar         | 133,970                   | New               |
| CHERRY POINT MCAS, NORTH CAROLINA       | 235         | Flightline Utility Modernization    | 106,860                   | Current           |
| <b><u>PENNSYLVANIA</u></b>              |             |                                     |                           |                   |
| NAVSUPPACT MECHANICSBURG PA             | 106         | Submarine Propulsor Manufacturing   | 71,050                    | New               |
| PHILADELPHIA, PENNSYLVANIA              |             | Support Fac                         |                           |                   |
| <b><u>SOUTH CAROLINA</u></b>            |             |                                     |                           |                   |
| MARINE CORPS AIR STATION BEAUFORT       | 487         | Recycling/Hazardous Waste Facility  | 9,517                     | Current           |
| BEAUFORT, SOUTH CAROLINA                |             |                                     |                           |                   |
| MCRD/BEAUFORT PI SC                     | 404         | Range Improvements & Modernization, | 35,190                    | Current           |
| PARRIS ISLAND, SOUTH CAROLINA           |             | Phase 2                             |                           |                   |
| <b><u>UTAH</u></b>                      |             |                                     |                           |                   |
| NAS FALLON NV                           | 822         | D5 Missile Motor Receipt/Storage    | 105,520                   | New               |
| HILL AFB, UTAH                          |             | Facility                            |                           |                   |
| <b><u>VIRGINIA</u></b>                  |             |                                     |                           |                   |
| NAVAL SUPPORT STATION NRFK NSY          | 256         | Ships Maintenance Facility          | 26,120                    | Current           |
| PORTSMOUTH, VIRGINIA                    |             |                                     |                           |                   |
| MARINE CORPS BASE QUANTICO              | 542         | TBS Fire Station                    | 21,980                    | Current           |
| QUANTICO, VIRGINIA                      |             |                                     |                           |                   |
| <b><u>WASHINGTON</u></b>                |             |                                     |                           |                   |
| NAVAL BASE KITSAP BREMERTON WA          | 907         | Pier and Maintenance Facility       | 88,960                    | New               |
| BANGOR, WASHINGTON                      |             |                                     |                           |                   |
| NAS WHIDBEY ISLAND WA                   | 253         | Fleet Support Facility              | 19,450                    | New               |
| WHIDBEY ISLAND, WASHINGTON              | 258         | Next Generation Jammer Facility     | 7,930                     | New               |
| <b><u>Outside the United States</u></b> |             |                                     |                           |                   |
| <b><u>BAHAMAS</u></b>                   |             |                                     |                           |                   |
| NAS KEY WEST FL                         | 720         | AUTEC Austere Quarters              | 31,050                    | Current           |
| ANDROS ISLAND, BAHAMAS                  |             |                                     |                           |                   |
| <b><u>BAHRAIN ISLAND</u></b>            |             |                                     |                           |                   |
| NAVSUPPACT BAHRAIN                      | 992         | Fleet Maintenance Facility & TOC    | 26,340                    | New               |
| SW ASIA, BAHRAIN ISLAND                 |             |                                     |                           |                   |

# DEPARTMENT OF THE NAVY FY 2019 Military Construction

## Mission Status Index

| Installation/Location                          | Proj<br>No. | Project Title                               | Approp Request<br>(\$000) | Mission<br>Status |
|------------------------------------------------|-------------|---------------------------------------------|---------------------------|-------------------|
| <b><u>Outside the United States</u></b>        |             |                                             |                           |                   |
| <b><u>CUBA</u></b>                             |             |                                             |                           |                   |
| NAVSTA GUANTANAMO BAY<br>GUANTANAMO BAY, CUBA  | 160         | Solid Waste Management Facility             | 85,000                    | Current           |
| <b><u>GERMANY</u></b>                          |             |                                             |                           |                   |
| NAVSUPACT NAPLES IT<br>PANZER KASERNE, GERMANY | 001         | MARFOREUR HQ Modernization and<br>Expansion | 43,950                    | Current           |
| <b><u>GUAM</u></b>                             |             |                                             |                           |                   |
| NAVBASE GUAM<br>JOINT REGION MARIANAS, GUAM    | 640         | Unaccompanied Enlisted Housing              | 36,170                    | Current           |
| US NAVSUPACT ANDERSEN GUAM                     | 270         | ACE Gym & Dining                            | 27,910                    | New               |
| JOINT REGION MARIANAS, GUAM                    | 290         | Earth Covered Magazines                     | 52,270                    | New               |
|                                                | 295         | Ordnance Ops                                | 22,020                    | New               |
|                                                | 735         | Machine Gun Range                           | 141,287                   | New               |
| <b><u>JAPAN</u></b>                            |             |                                             |                           |                   |
| COMFLEACT OKINAWA JA<br>KADENA AB, JAPAN       | 512         | Tactical Operations Center                  | 9,049                     | Current           |
| <b><u>Various Locations</u></b>                |             |                                             |                           |                   |
| <b><u>VARIOUS LOCATIONS</u></b>                |             |                                             |                           |                   |
| Various Locations                              | 229         | Planning & Design                           | 185,542                   | Current           |
| Various Locations                              | 219         | MCON Unspecified Minor<br>Construction      | 28,579                    | Current           |

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**DEPARTMENT OF THE NAVY**  
**FY 2019 Military Construction**  
**Installation Index**

| <b>Installation</b>               | <b>Location</b>                         | <b>DD1390<br/>PageNo.</b> |
|-----------------------------------|-----------------------------------------|---------------------------|
|                                   | <b><u>B</u></b>                         |                           |
| NAVAL BASE KITSAP BREMERTON WA    | BANGOR, WASHINGTON                      | 191                       |
| MARINE CORPS AIR STATION BEAUFORT | BEAUFORT, SOUTH CAROLINA                | 159                       |
|                                   | <b><u>C</u></b>                         |                           |
| MARINE CORPS BASE CAMP PENDLETON  | CAMP PENDLETON, CALIFORNIA              | 1                         |
| MCAS CHERRY POINT NC              | CHERRY POINT MCAS, NORTH CAROLINA       | 137                       |
| NAVBASE CORONADO SAN DIEGO CA     | CORONADO, CALIFORNIA                    | 23                        |
|                                   | <b><u>H</u></b>                         |                           |
| NAS FALLON NV                     | HILL AFB, UTAH                          | 173                       |
|                                   | <b><u>J</u></b>                         |                           |
| JBPHH PEARL HARBOR HI             | JOINT BASE PEARL HARBOR-HICKAM, HAWAII  | 105                       |
|                                   | <b><u>K</u></b>                         |                           |
| MARINE CORPS BASE HAWAII          | KANEOHE BAY, HAWAII                     | 113                       |
| NSS PORTSMOUTH NAVY SHIPYARD      | KITTERY, MAINE                          | 127                       |
|                                   | <b><u>L</u></b>                         |                           |
| NAS LEMOORE CA                    | LEMOORE, CALIFORNIA                     | 31                        |
|                                   | <b><u>M</u></b>                         |                           |
| NAVSTA MAYPORT FL                 | MAYPORT, FLORIDA                        | 93                        |
| MCAS MIRAMAR                      | MIRAMAR, CALIFORNIA                     | 39                        |
|                                   | <b><u>N</u></b>                         |                           |
| NAVAL SUPPORT ACTIVITY WASH       | NAVAL OBSERVATORY, DISTRICT OF COLUMBIA | 83                        |
|                                   | <b><u>P</u></b>                         |                           |
| MCRD/BEAUFORT PI SC               | PARRIS ISLAND, SOUTH CAROLINA           | 165                       |
| JBPHH PEARL HARBOR HI             | PEARL CITY, HAWAII                      | 121                       |
| NAVSUPPACT MECHANICSBURG PA       | PHILADELPHIA, PENNSYLVANIA              | 151                       |
| NAVBASE VENTURA CTY PT MUGU CA    | POINT MUGU, CALIFORNIA                  | 49                        |
| NAVAL SUPPORT STATION NRFK NSY    | PORTSMOUTH, VIRGINIA                    | 179                       |
|                                   | <b><u>Q</u></b>                         |                           |
| MARINE CORPS BASE QUANTICO        | QUANTICO, VIRGINIA                      | 185                       |
|                                   | <b><u>S</u></b>                         |                           |
| NAVBASE SAN DIEGO                 | SAN DIEGO, CALIFORNIA                   | 55                        |
| NAVBASE VENTURA CTY PT MUGU CA    | SAN NICOLAS ISLAND, CALIFORNIA          | 67                        |
| NAVWPNSTA SEAL BEACH              | SEAL BEACH, CALIFORNIA                  | 75                        |
|                                   | <b><u>W</u></b>                         |                           |
| NAS WHIDBEY ISLAND WA             | WHIDBEY ISLAND, WASHINGTON              | 199                       |

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**DEPARTMENT OF THE NAVY**  
**FY 2019 Military Construction**

**Appropriation Language**

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SECTION 1 - APPROPRIATION LANGUAGE

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For acquisition, construction, installation, and equipment of temporary or permanent public works, naval installations, facilities, and real property for the Navy and Marine Corps as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, [\$----] \$2,543,189,000 to remain available until September 30, [---] 2023. Provided, That, of this amount, not to exceed [\$---] \$185,542,000 shall be available for study, planning, design, and architect and engineer services, as authorized by law, unless the Secretary of the Navy determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of the determination and the reasons therefor.

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SECTION 2 - EXPLANATION OF LANGUAGE CHANGES

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1. Deletion of FY 2018 appropriations shown in brackets.

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**DEPARTMENT OF THE NAVY**  
**FY 2019 Military Construction**  
**Special Program Considerations**

FLOODPLAIN MANAGEMENT AND WETLANDS PROTECTION:

Proposed land acquisition, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Numbers 11988 and 11990.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL:

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

PRESERVATION OF HISTORICAL SITES AND STRUCTURES:

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

PLANNING IN THE NATIONAL CAPITAL REGION:

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the commission's annual review of the Future Years Defense Program (FYDP). Construction projects within the District of Columbia, with the exception of the Bolling/Anacostia area, are submitted to the Commission for approval prior to the start of construction.

ENVIRONMENTAL PROTECTION:

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (Public Law 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the military construction program.

ECONOMIC ANALYSIS:

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives could be evaluated, a primary economic analysis was prepared.

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|-----------------|--------------|-------------------------------------------------|-------------|---------|-------------------------------------|-------|--------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |                 |              |                                                 |             |         | 2. Date<br>05 FEB 2018              |       |        |
| 3. Installation and Location: M00681<br>MARINE CORPS BASE CAMP PENDLETON<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |              | 4. Command<br>Commandant of the<br>Marine Corps |             |         | 5. Area Const<br>Cost Index<br>1.16 |       |        |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PERMANENT                                    |                      |                 | STUDENTS     |                                                 |             | SUPPORT |                                     |       | TOTAL  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OFF                                          | ENL                  | CIV             | OFF          | ENL                                             | CIV         | OFF     | ENL                                 | CIV   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3705                                         | 35341                | 3342            | 740          | 35690                                           | 51          | 0       | 0                                   | 50475 | 129344 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3908                                         | 36620                | 3332            | 699          | 34895                                           | 46          | 0       | 0                                   | 50475 | 129975 |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| A. TOTAL ACREAGE ..(123732 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| B. INVENTORY AS OF 30 SEP 2017 ..... 14,086,238                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| C. AUTHORIZATION NOT YET IN INVENTORY ..... 141,635                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM ..... 111,330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ..... 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| F. PLANNED IN NEXT THREE PROGRAM YEARS ..... 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| G. REMAINING DEFICIENCY ..... 1,964,991                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| H. <b>GRAND TOTAL</b> ..... <b>16,304,194</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              | <u>Design Status</u> |                 |              |                                                 | <u>Cost</u> |         |                                     |       |        |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>Project Title</u>                         | <u>Start</u>         | <u>Complete</u> | <u>Scope</u> | <u>(\$000)</u>                                  |             |         |                                     |       |        |
| * 84210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Potable Water Distribution<br>Improvements   | 09/2016              | 01/2019         | 0 LS         | 47,230                                          |             |         |                                     |       |        |
| 21375                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | AAV-ACV Maintenance &<br>Warehouse Facility  | 11/2016              | 05/2019         | 12705 m2     | 49,410                                          |             |         |                                     |       |        |
| 17135                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Full Motion Trainer Facility                 | 09/2016              | 05/2019         | 1006 m2      | 10,670                                          |             |         |                                     |       |        |
| 81209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Electrical Upgrades                          | 09/2016              | 08/2018         | 4 EA         | 4,020                                           |             |         |                                     |       |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |                 |              | TOTAL                                           | 111,330     |         |                                     |       |        |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| C. R&M Unfunded Requirement (\$000): 1,514,534                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| MCB Camp Pendleton supports the combat readiness of 1st Marine Expeditionary Force units by providing training, logistic, garrison, mobilization and deployment support and a wide range of quality of life services including housing, safety and security, medical and dental care, family services, off-duty education and recreation. The base conducts specialized schools and other training and receives and processes students in order to conduct field training in basic combat skills. MCB Pendleton promotes the combat readiness of the Operating Forces and supports the mission of other tenant commands. |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| A. Pollution Abatement(*): 47,230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |
| B. Occupational Safety and Health(OSH)(#): 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |                 |              |                                                 |             |         |                                     |       |        |

|                                                                                                        |                                                 |                                     |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>    | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: M00681<br>MARINE CORPS BASE CAMP PENDLETON<br>CAMP PENDLETON, CALIFORNIA | 4. Command<br>Commandant of the<br>Marine Corps | 5. Area Const<br>Cost Index<br>1.16 |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AC)<br>MARINE CORPS BASE CAMP PENDLETON<br>(BASEWIDE MISC)<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>Potable Water Distribution<br>Improvements |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Category Code<br>84210                    | 7. Project Number<br>P079 | 8. Project Cost (\$000)<br>47,230                              |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                                |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UM                                           | Quantity                  | Unit Cost                                                      | Cost(\$000)            |
| POTABLE WATER DISTRIBUTION<br>IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                                | 36,640                 |
| UPGRADE POTABLE WATERLINE<br>CC84210 (39,370LF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | m                                            | 12,000                    | 2,067.48                                                       | (24,810)               |
| WATER STORAGE TANK CC84130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | EA                                           | 1                         | 2,148,690.08                                                   | (2,150)                |
| BOOSTER PUMP STATION CC84215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EA                                           | 3                         | 2,731,053.36                                                   | (8,190)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                                                | (960)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                                                | (530)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                                | 5,910                  |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                                                | (5,670)                |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                                | (240)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                                | 42,550                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                                | 2,130                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                                | 44,680                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                | 2,550                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                                | 47,230                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                                | 47,230                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                                | 47,230                 |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                                |                        |
| <p>Construct potable water supply pipelines to transport potable water from the 24 Area to the 20 Area potable water storage tanks. The potable water supply pipelines will replace and upgrade the existing supply lines to the 20 and 21 Areas. Provide necessary waterline valves, appurtenances, and tie-in's to meet operational needs of the southern water system.</p> <p>Replace the existing elevated steel tank #20815 with a new water storage facility including all associated appurtenances and piping.</p> <p>Replace booster pump stations (BPS) #20800, #20801 and #20816, as required with new steel framed concrete masonry unit buildings with standing seam metal roofs. BPS's and water storage facility replacement will be connected to base Water Resources Department (WRD) SCADA systems. Replace existing secondary chlorine station #20802 with a new station to allow for secondary chlorination.</p> |                                              |                           |                                                                |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AC)<br>MARINE CORPS BASE CAMP PENDLETON<br>(BASEWIDE MISC)<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>Potable Water Distribution<br>Improvements |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Category Code<br>84210                    | 7. Project Number<br>P079 | 8. Project Cost (\$000)<br>47,230                              |                        |
| <p>Special costs include Post Construction Contract Award Services (PCAS), which includes geospatial surveys and mapping; and Real Estate agreements required to perform work in the Public-Private Venture (PPV) housing areas on base.</p> <p>Operations and maintenance support information (OMSI) is included in this project.</p> <p>Environmental mitigation includes the remediation of natural and cultural resources, including jurisdictional waters of the U.S. and numerous flora and fauna species. Monitoring efforts include full time cultural and biological monitoring.</p> <p>Demolition includes existing elevated steel tank #20815 (built in 1954, 250,000 gallons), which has reached the end of its useful life and is below the capacity required to comply with current codes and requirements. Demolition of BPS's #20800 (built in 1971, 75 m2), #20801 (built in 1988, 103 m2), and #20816 (built in 1954, 56 m2).</p> <p>Department of Defense and Department of the Navy (DON) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate. Storm Water Pollution Prevention Plan will be included in the design and construction of this project as appropriate.</p> <p>The pipeline which is in the 100 year flood plain will be buried a minimum of four feet below grade.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                                |                        |
| <b>11. Requirement:</b> <u>12,000 m</u> <b>Adequate:</b> <u>0 m</u> <b>Substandard:</b> <u>0 m</u><br><b>PROJECT:</b><br>Replace and upgrade existing potable water supply pipelines from the 24 Area to the 20 Area potable water storage tanks, the existing BPS's 20800, 20801, and 20816, and the existing elevated steel tank 20815.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                                |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AC)<br>MARINE CORPS BASE CAMP PENDLETON<br>(BASEWIDE MISC)<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           | 4. Project Title<br>Potable Water Distribution<br>Improvements |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>84210                    | 7. Project Number<br>P079 | 8. Project Cost (\$000)<br>47,230                              |                        |
| <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>Adequate distribution and storage facilities are required to provide water to the 20 and 21 Areas for domestic, industrial and fire protection use to meet applicable codes and guidance.</p> <p><b>CURRENT SITUATION:</b></p> <p>The 20 and 21 Areas have the largest population and water demand on the base. The 20 and 21 Areas have the capacity to house approximately 11,000 of the base total of 30,000 family members. Additionally, the 21 Area contains approximately 8,200 civilian and military employees. Multiple existing and new facilities contribute to the increased water demand in the 20 and 21 Areas: the Naval Hospital, MCX, BEQ, Temporary Lodging Facility, and Del Mar recreational beach.</p> <p>The existing potable water supply line providing water to the 20 and 21 Areas is 18-inch diameter and made of asbestos-cement. It is inadequately sized for the population served, does not meet standard codes, and has reached the end of its useable service life. The existing potable water supply lines connecting BPS's 20800 and 20801 to 20 Area potable water storage tanks are made of asbestos-cement and have reached the end of their useable service life.</p> <p>The existing potable water supply pipelines have no isolation valves.</p> <p>The peak domestic demands in the 20 and 21 Areas are 8.3 million gallons per day (MGD). The existing 18 inch diameter potable water supply pipeline can only provide 5.7 MGD, therefore a 24 inch diameter pipeline is required.</p> <p>The existing 20 and 21 Area water storage tanks supply potable water for domestic use and fire suppression and are filled from the existing 18 inch diameter potable water supply pipeline. Since the pipe is not adequately sized to meet the demands of the 20 and 21 Areas, the water storage tanks cannot fill completely due to a lack of water supply capacity in the 18 inch diameter waterline. This places the 20 and 21 Areas at risk in event of fire and could result in water rationing for users.</p> <p>The existing BPS's 20800, 20801, and 20816 pump water to the water storage tanks supplying the 20 and 21 Areas. BPS 20800 was constructed in 1971. BPS 20801 was constructed in 1988. BPS 20816 was constructed in 1954 does not have adequate flow capacity to provide for peak flow plus fire demand and is out of compliance with current codes.</p> |                                              |                           |                                                                |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                                                | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |
| 3. Installation(SA)& Location/UIC: M00681(AC)<br>MARINE CORPS BASE CAMP PENDLETON<br>(BASEWIDE MISC)<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                           | 4. Project Title<br>Potable Water Distribution<br>Improvements |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>84210             | 7. Project Number<br>P079 | 8. Project Cost (\$000)<br>47,230                              |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |
| <p>Elevated steel tank 20815 was constructed in 1954, with a 250,000 gallon capacity, is the sole water source for the Wire Mountain II housing area. It has reached the end of its useful life, is badly deteriorated, is undersized to meet the peak domestic demands of Wire Mountain II and does not meet seismic code.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>The existing undersized potable water supply pipeline will continue to be used, resulting in multiple negative impacts to the 20 and 21 Areas.</p> <p>Due to the increasing age, more maintenance and repairs will be required. If this potable water supply pipeline is out of operation due to maintenance and repairs, there is no viable alternative to supply water to the 20 and 21 Areas residents, hospital patients, marines, and sailors. Residents and employees living and working in the 20 and 21 Areas will have to rely on limited water capacity in the storage tanks and water rationing will be required, resulting in mission impacts until the waterline can be fixed.</p> <p>Due to absence of isolation valves on the waterline, approximately 250,000 gallons of potable water must be removed in order to perform maintenance and repairs. This results in longer outages, greater cost, and significant environmental impacts.</p> <p>If BPS's 20800, 20801, or 20816 fail, the base will not be able to supply the 20 and 21 Areas with water. This will result in loss of water to 11,000 military family members, 8,200 military and civilian personnel including 1 Marine Expeditionary Force, and patients at the Naval Hospital.</p> <p>Elevated steel tank 20815 will continue to present a high risk of rupture or failure. If 20815 fails, then the 1,800 residents of Wire Mountain II will lose their sole source of water storage and have inadequate water to meet daily demand and fire demand.</p> |                                       |                           |                                                                |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table border="0"> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2016</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>04/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>01/2019</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>15%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       |                           |                                                                |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 04/2017 | (C) Date design completed | 01/2019 | (D) Percent completed as of September 2017 | 15% | (E) Percent completed as of January 2018 | 35% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 09/2016                               |                           |                                                                |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 04/2017                               |                           |                                                                |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 01/2019                               |                           |                                                                |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15%                                   |                           |                                                                |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 35%                                   |                           |                                                                |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Design Bid Build                      |                           |                                                                |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes                                   |                           |                                                                |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |



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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AC)<br>MARINE CORPS BASE CAMP PENDLETON<br>(BASEWIDE MISC)<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>Potable Water Distribution<br>Improvements |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>84210                    | 7. Project Number<br>P079 | 8. Project Cost (\$000)<br>47,230                              |                        |
| (H) Energy Study/Life Cycle Analysis performed No<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used N/A<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$2,498<br>(B) All other design costs \$1,582<br>(C) Total \$4,080<br>(D) Contract \$3,539<br>(E) In-house \$541<br>4. Contract award: 06/2019<br>5. Construction start: 08/2019<br>6. Construction complete: 08/2021<br>B. Equipment associated with this project which will be provided from<br>other appropriations: NONE<br><b>JOINT USE CERTIFICATION:</b><br>The Director Land Use and Military Construction Branch, Installations and<br>Logistics Department, Headquarters Marine Corps certifies that this project<br>has been considered for joint use potential. Unilateral Construction is<br>recommended. This is an installation utility/infrastructure project and<br>does not qualify for joint use at this location, however, all tenants on<br>this installation are benefited by this project.<br><br>Activity POC: Project Development Lead      Phone No: 760-725-6754 |                                              |                           |                                                                |                        |

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| 1. Component<br>NAVY                                                                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AC)<br>MARINE CORPS BASE CAMP PENDLETON<br>(BASEWIDE MISC)<br>CAMP PENDLETON, CALIFORNIA |                                              |                           | 4. Project Title<br>Potable Water Distribution<br>Improvements |                        |
| 5. Program Element<br>0216496M                                                                                                     | 6. Category Code<br>84210                    | 7. Project Number<br>P079 | 8. Project Cost (\$000)<br>47,230                              |                        |
| <p><b>Blank Page</b></p>                                                                                                           |                                              |                           |                                                                |                        |

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| 1. Component<br>NAVY                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AD)<br>MARINE CORPS BASE CAMP PENDLETON<br>(DEL MAR AREA (21))<br>CAMP PENDLETON, CALIFORNIA |                                              |                            | 4. Project Title<br>AAV-ACV Maintenance & Warehouse<br>Facility |                        |
| 5. Program Element<br>0202176M                                                                                                         | 6. Category Code<br>21375                    | 7. Project Number<br>P1901 | 8. Project Cost (\$000)<br>49,410                               |                        |
| <b>9. COST ESTIMATES</b>                                                                                                               |                                              |                            |                                                                 |                        |
| Item                                                                                                                                   | UM                                           | Quantity                   | Unit Cost                                                       | Cost(\$000)            |
| AAV-ACV MAINTENANCE & WAREHOUSE<br>FACILITY (136,755SF)                                                                                | m2                                           | 12,704.99                  |                                                                 | 31,870                 |
| AMPHIBIOUS MAINTENANCE FACILITY<br>CC21375 (47,523SF)                                                                                  | m2                                           | 4,415                      | 4,246.87                                                        | (18,750)               |
| WAREHOUSE, GENERAL PURPOSE<br>CC44112 (19,347SF)                                                                                       | m2                                           | 1,797.39                   | 3,765.14                                                        | (6,770)                |
| ARMORY/WEAPONS STORAGE CC14345<br>(10,625SF)                                                                                           | m2                                           | 987.09                     | 2,455.34                                                        | (2,420)                |
| OVERHEAD COVERED, MISC.<br>CC12317 (54,740SF)                                                                                          | m2                                           | 5,085.51                   | 205.89                                                          | (1,050)                |
| GENERAL STORAGE CC44135<br>(4,521SF)                                                                                                   | m2                                           | 420                        | 1,118.15                                                        | (470)                  |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                     | LS                                           |                            |                                                                 | (300)                  |
| BUILT-IN EQUIPMENT                                                                                                                     | LS                                           |                            |                                                                 | (960)                  |
| SPECIAL COSTS                                                                                                                          | LS                                           |                            |                                                                 | (840)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                            | LS                                           |                            |                                                                 | (310)                  |
| SUPPORTING FACILITIES                                                                                                                  |                                              |                            |                                                                 | 11,100                 |
| PAVEMENT FACILITIES                                                                                                                    | LS                                           |                            |                                                                 | (4,170)                |
| SITE PREPARATIONS                                                                                                                      | LS                                           |                            |                                                                 | (400)                  |
| SPECIAL FOUNDATION FEATURES                                                                                                            | LS                                           |                            |                                                                 | (270)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                           | LS                                           |                            |                                                                 | (120)                  |
| ELECTRICAL UTILITIES                                                                                                                   | LS                                           |                            |                                                                 | (1,700)                |
| MECHANICAL UTILITIES                                                                                                                   | LS                                           |                            |                                                                 | (1,110)                |
| DEMOLITION                                                                                                                             | LS                                           |                            |                                                                 | (3,330)                |
| SUBTOTAL                                                                                                                               |                                              |                            |                                                                 | 42,970                 |
| CONTINGENCY (5%)                                                                                                                       |                                              |                            |                                                                 | 2,150                  |
| TOTAL CONTRACT COST                                                                                                                    |                                              |                            |                                                                 | 45,120                 |
| SIOH (5.7%)                                                                                                                            |                                              |                            |                                                                 | 2,570                  |
| SUBTOTAL                                                                                                                               |                                              |                            |                                                                 | 47,690                 |
| DESIGN/BUILD - DESIGN COST                                                                                                             |                                              |                            |                                                                 | 1,720                  |
| TOTAL REQUEST ROUNDED                                                                                                                  |                                              |                            |                                                                 | 49,410                 |
| TOTAL REQUEST                                                                                                                          |                                              |                            |                                                                 | 49,410                 |
| EQUIPMENT FROM OTHER                                                                                                                   |                                              |                            |                                                                 | (7,055)                |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AD)<br>MARINE CORPS BASE CAMP PENDLETON<br>(DEL MAR AREA (21))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                            | 4. Project Title<br>AAV-ACV Maintenance & Warehouse<br>Facility |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>21375                    | 7. Project Number<br>P1901 | 8. Project Cost (\$000)<br>49,410                               |                        |
| APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                            |                                                                 |                        |
| <b>10. Description of Proposed Construction:</b><br><p>Constructs a new multistory Tracked Amphibious Assault Vehicle (AAV)/ Amphibious Combat Vehicle (ACV) Motor Transport Maintenance Complex for the Third Assault Amphibious (AA) Battalion. The amphibious maintenance facility complex will be constructed of reinforced concrete masonry walls with concrete foundation, thickened concrete slab and standing seam metal roof over ribbed steel deck secured to steel trusses. The facility will include maintenance bays, radio vehicle bays, ACV Tire machine shop bay, welding bays, wire shop, communication operator shop area, tool rooms, layette, electronic/ ordnance maintenance shop, optic repair and battery shops, sonic cleaning room, vehicle supply inventory, dispatch office, securable workspace and storage areas (SECREP), secure communications (COMSEC) equipment and Crypto Vault, classroom/ multi-purpose room with audio/video capability, tech library and administrative spaces. The facility will include, fire alarm and mass notification systems, intercom system, Electronic Monitoring and Control System (EMCS), Intrusion Detection System (IDS) and security equipment (surveillance and access control to selected areas).</p> <p>The general purpose warehouse will include individually caged areas for storage requirements of the three Line Companies, Headquarters and Services Company, battalion maintenance section, battalion communications and motor transport section.</p> <p>The armory/weapons storage will include individual cages to provide storage and security for all the battalion's weaponry. It will have an intrusion detection system and class "V" vault doors.</p> <p>The overhead covered parking area for the AAV-ACVs will include an adjacent tire changing shop.</p> <p>The general storage will consist of a covered storage canopy that will be used for storage of shipping containers (quadcons), rotating stock, petroleum, oil, lubricants and hazardous materials.</p> <p>This project will provide anti-terrorism/force protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes four bridge cranes (10-ton), air compressors</p> |                                              |                            |                                                                 |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AD)<br>MARINE CORPS BASE CAMP PENDLETON<br>(DEL MAR AREA (21))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                            | 4. Project Title<br>AAV-ACV Maintenance & Warehouse<br>Facility |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>21375                    | 7. Project Number<br>P1901 | 8. Project Cost (\$000)<br>49,410                               |                        |
| <p>with dryers, vehicle exhaust systems, wire cages, welding hoods, exhaust systems, and water/POL/air reels.</p> <p>Special Cost includes Post Construction Award Services (PCAS) that includes geospatial survey and mapping. Special costs also include monitoring during secured spaces construction at the maintenance facility and armory including surveillance by Construction Security Technicians and Cleared American Guards during secure space finish work in accordance with Intelligence Community guidance. Construction monitoring is required to observe the construction to ensure that there are no abnormalities that could affect and compromise the security of these spaces.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Pavement Facilities include heavy duty, dual reinforced concrete paving.</p> <p>Electrical utilities include primary and secondary underground distribution system, transformers, electrical switchgear, exterior lighting system. Telecommunications systems include fiber optic cabling, local area network (LAN) and telephone wiring, including NIPR and SIPRNET.</p> <p>Mechanical utilities includes natural gas, sewer, water, stormwater and an oil water separator.</p> <p>Demolition of four facilities is included in this project: Existing storage admin facility #210585 (1420 M2), existing maintenance facility #210577 (3,525 M2), existing maintenance shop #21585 (376 M2) and existing motor transport maintenance shop #21671 (501 M2). These facilities will be demolished as the functions they now house will be relocated to the new facilities built by this project and they no longer will be needed.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy</p> |                                              |                            |                                                                 |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AD)<br>MARINE CORPS BASE CAMP PENDLETON<br>(DEL MAR AREA (21))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                            | 4. Project Title<br>AAV-ACV Maintenance & Warehouse<br>Facility |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code<br>21375                    | 7. Project Number<br>P1901 | 8. Project Cost (\$000)<br>49,410                               |                        |
| efficiency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                            |                                                                 |                        |
| <b>11. Requirement:</b> <u>12,705 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs maintenance, warehouse and armory facilities to support the existing AAV as well as the new ACVs to be fielded in 2021 to the 3rd AA Bn and the AAS Bn which are co-located on Camp Pendleton.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>An adequate and efficiently configured facility is required to properly maintain and repair the existing fleet of AAVs and new ACVs. Currently, 3rd AA Bn is allocated 204 AAVs (tracked vehicles) and the battalion will receive 67 of the new wheeled ACVs in 2021. AAS Bn will be allocated an additional 25 ACVs in 2021. The new ACVs are wheeled vehicles with much different maintenance requirements than the tracked AAVs.<br><b>CURRENT SITUATION:</b><br>3rd AA Bn is one of only two active duty assault amphibian battalions in the Marine Corps and is located in a two-story maintenance building constructed in 1973. A seismic study and a geotechnical analyses were conducted to examine the structural condition of the building. The results identified several measures necessary to strengthen the building and repair existing damages, including soil mitigation and major seismic upgrades such as reinforced exterior walls. The facility was determined to be uneconomical to repair or improve.<br><br>There is no space within the building with adequate climate control to provide the temperature and humidity parameters required to maintain sensitive optical and electronic components of the new ACV. Also, the existing maintenance building lacks a proper communication and electronic shop to maintain the AAV because of space constraints and insufficient electrical power.<br><br>This project is not sited in a 100-year flood plain.<br><b>IMPACT IF NOT PROVIDED:</b><br>The 3rd AA Bn will continue to work in a building that would not withstand a major seismic event and will be extremely limited in their ability to maintain the new ACVs. Simple repairs such as changing or filling tires with air would be completely limited if not impossible to accomplish. The existing armory, not sized to stow additional armaments, would not be able to receive the new turret gun accompanying the ACVs. Consequently, the operational readiness of the ACV and AAV fleet will degrade, thus |                                              |                            |                                                                 |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                                 | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |
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| 3. Installation(SA)& Location/UIC: M00681(AD)<br>MARINE CORPS BASE CAMP PENDLETON<br>(DEL MAR AREA (21))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                            | 4. Project Title<br>AAV-ACV Maintenance & Warehouse<br>Facility |                        |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21375                    | 7. Project Number<br>P1901 | 8. Project Cost (\$000)<br>49,410                               |                        |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |
| jeopardizing 3rd AA Bn's amphibious operations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                            |                                                                 |                        |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 11/2016<br>(B) Date 35% Design or Parametric Cost Estimate complete 03/2017<br>(C) Date design completed 05/2019<br>(D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 15%<br>(F) Type of design contract Design Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed Yes<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$1,034<br>(B) All other design costs \$1,550<br>(C) Total \$2,584<br>(D) Contract \$556<br>(E) In-house \$2,028<br>4. Contract award: 01/2019<br>5. Construction start: 06/2019<br>6. Construction complete: 06/2021<br>B. Equipment associated with this project which will be provided from<br>other appropriations:<br><table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Audio Visual Equipment</td> <td>O&amp;MMC</td> <td>2021</td> <td>374</td> </tr> <tr> <td>Electronic Security System</td> <td>PMC</td> <td>2021</td> <td>100</td> </tr> <tr> <td>Furnishings, Fixtures and Equipment</td> <td>O&amp;MMC</td> <td>2021</td> <td>6,581</td> </tr> </tbody> </table> |                                              |                            |                                                                 |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Audio Visual Equipment | O&MMC | 2021 | 374 | Electronic Security System | PMC | 2021 | 100 | Furnishings, Fixtures and Equipment | O&MMC | 2021 | 6,581 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>Procuring</u>                             | <u>FY Approp</u>           |                                                                 |                        |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>Approp</u>                                | <u>or Requested</u>        | <u>Cost (\$000)</u>                                             |                        |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |
| Audio Visual Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | O&MMC                                        | 2021                       | 374                                                             |                        |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |
| Electronic Security System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PMC                                          | 2021                       | 100                                                             |                        |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |
| Furnishings, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | O&MMC                                        | 2021                       | 6,581                                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |
| <b>JOINT USE CERTIFICATION:</b><br>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                            |                                                                 |                        |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |
| Activity POC: Project Development Lead      Phone No: (760) 763-7853                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                            |                                                                 |                        |                  |                  |                  |  |                     |               |                     |                     |                        |       |      |     |                            |     |      |     |                                     |       |      |       |

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|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|-----------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AD)<br>MARINE CORPS BASE CAMP PENDLETON<br>(DEL MAR AREA (21))<br>CAMP PENDLETON, CALIFORNIA |                                              |                            | 4. Project Title<br>AAV-ACV Maintenance & Warehouse<br>Facility |                        |
| 5. Program Element<br>0202176M                                                                                                         | 6. Category Code<br>21375                    | 7. Project Number<br>P1901 | 8. Project Cost (\$000)<br>49,410                               |                        |
| <p><b>Blank Page</b></p>                                                                                                               |                                              |                            |                                                                 |                        |



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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                  | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AQ)<br>MARINE CORPS BASE CAMP PENDLETON<br>(LCAC AREA (31C))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                            | 4. Project Title<br>Full Motion Trainer Facility |                        |
| 5. Program Element<br>0815976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>17135                    | 7. Project Number<br>P5001 | 8. Project Cost (\$000)<br>10,670                |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                            |                                                  |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | UM                                           | Quantity                   | Unit Cost                                        | Cost(\$000)            |
| FULL MOTION TRAINER FACILITY<br>(10,828SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | m2                                           | 1,006                      |                                                  | 7,870                  |
| OPERATIONAL TRAINER FACILITY<br>CC17135 (10,828SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | m2                                           | 1,006                      | 7,186.56                                         | (7,230)                |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                            |                                                  | (380)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                            |                                                  | (180)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                            |                                                  | (80)                   |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                            |                                                  | 1,410                  |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                            |                                                  | (110)                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                            |                                                  | (500)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                            |                                                  | (240)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                            |                                                  | (370)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                            |                                                  | (190)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                            |                                                  | 9,280                  |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                            |                                                  | 460                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                            |                                                  | 9,740                  |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                            |                                                  | 560                    |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                            |                                                  | 10,300                 |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                            |                                                  | 370                    |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                            |                                                  | 10,670                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                            |                                                  | 10,670                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                            |                                                  | (38,403)               |
| <b>10. Description of Proposed Construction:</b><br><p>Constructs a full motion trainer (FMT) facility of concrete masonry unit walls, reinforced concrete slab-on-grade floor, metal roofing over steel roof trusses, fire protection systems, heating ventilating and air conditioning system and electrical systems. The building will have a high-bay space for the trainer, computer room with raised floor, classroom, instructional support spaces, restroom facilities, maintenance and storage areas.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> |                                              |                            |                                                  |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                  | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AQ)<br>MARINE CORPS BASE CAMP PENDLETON<br>(LCAC AREA (31C))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                            | 4. Project Title<br>Full Motion Trainer Facility |                        |
| 5. Program Element<br>0815976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>17135                    | 7. Project Number<br>P5001 | 8. Project Cost (\$000)<br>10,670                |                        |
| <p>Built-in equipment includes a passenger/freight combination elevator and a bridge crane (2-ton).</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                |                                              |                            |                                                  |                        |
| <b>11. Requirement:</b> <u>1,006 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs a facility to support Ship-to-Shore Connector (SSC) craft full motion simulator system, computer systems, student and instructor spaces, and classroom for use by Expeditionary Warfare Training Group Pacific.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b><br>The new training system is required to ensure an adequate supply of qualified pilots for the SSC craft.<br><br>The Navy is in the process of building and fielding the SSC System to replace the current Landing Craft Air Cushioned (LCAC). This new system will offer increased capacity to cope with the growing weight of equipment used by the Army and Marine Corps. It will bring improved technology and increased performance to handle current and future missions, better fuel efficiency, and reduced maintenance through existing shore-based infrastructure.<br><br>The project constructs a new FMT facility to centralize infrastructure to consolidate all aspects of training in one location, to provide operational support for home ported detachments, virtual and hands-on operator/crew |                                              |                            |                                                  |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                  | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| 3. Installation(SA)& Location/UIC: M00681(AQ)<br>MARINE CORPS BASE CAMP PENDLETON<br>(LCAC AREA (31C))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                            | 4. Project Title<br>Full Motion Trainer Facility |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| 5. Program Element<br>0815976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code<br>17135                    | 7. Project Number<br>P5001 | 8. Project Cost (\$000)<br>10,670                |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| <p>training, and to support contingencies in accordance with combatant and commander tasking.</p> <p>Initial Operating Capability is July 2020.</p> <p><b>CURRENT SITUATION:</b></p> <p>The existing LCAC trainer is sited at a different location 50 miles away from the site. Assault Craft Unit Five (ACU-5) currently has no facility that can adequately support the SSC craft FMT.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Without this facility pilots would be required to qualify for the SSC craft at an east coast location. Failure to provide essential facilities will result in fewer trained and qualified sailors, it will impact operations and support to Marine Expeditionary Forces, and Navy and Marine Corps team's capability to execute a broad spectrum of missions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2016</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>05/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>05/2019</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>15%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$213</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$320</td> </tr> <tr> <td>(C) Total</td> <td>\$533</td> </tr> <tr> <td>(D) Contract</td> <td>\$106</td> </tr> <tr> <td>(E) In-house</td> <td>\$427</td> </tr> </table> <p>4. Contract award: 01/2019</p> <p>5. Construction start: 06/2019</p> <p>6. Construction complete: 06/2020</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> |                                              |                            |                                                  |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 05/2017 | (C) Date design completed | 05/2019 | (D) Percent completed as of September 2017 | 15% | (E) Percent completed as of January 2018 | 35% | (F) Type of design contract | Design Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | No | (A) Standard or Definitive Design | No | (B) Where design was previously used |  | (A) Production of plans and specifications | \$213 | (B) All other design costs | \$320 | (C) Total | \$533 | (D) Contract | \$106 | (E) In-house | \$427 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 09/2016                                      |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/2017                                      |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 05/2019                                      |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 15%                                          |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 35%                                          |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Design Build                                 |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                          |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No                                           |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No                                           |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$213                                        |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$320                                        |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | \$533                                        |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$106                                        |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$427                                        |                            |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |    |                                   |    |                                      |  |                                            |       |                            |       |           |       |              |       |              |       |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|--------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                  | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AQ)<br>MARINE CORPS BASE CAMP PENDLETON<br>(LCAC AREA (31C))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                           |                                              |                            | 4. Project Title<br>Full Motion Trainer Facility |                        |
| 5. Program Element<br>0815976N                                                                                                                                                                                                                                                                                                 | 6. Category Code<br>17135                    | 7. Project Number<br>P5001 | 8. Project Cost (\$000)<br>10,670                |                        |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                               |                                              | <u>Procuring</u>           | <u>FY Approp</u>                                 | <u>Cost (\$000)</u>    |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                            |                                              | <u>Approp</u>              | <u>or Requested</u>                              |                        |
| Audio Visual                                                                                                                                                                                                                                                                                                                   |                                              | OPN                        | 2020                                             | 50                     |
| Card Reader Security System                                                                                                                                                                                                                                                                                                    |                                              | OPN                        | 2020                                             | 10                     |
| Computer Room-Trainer Equipment/Services                                                                                                                                                                                                                                                                                       |                                              | OPN                        | 2020                                             | 37,740                 |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                              |                                              | OPN                        | 2020                                             | 562                    |
| Telecommunications                                                                                                                                                                                                                                                                                                             |                                              | OPN                        | 2020                                             | 41                     |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements. |                                              |                            |                                                  |                        |
| Activity POC: Project Development Lead      Phone No: 202-781-4142                                                                                                                                                                                                                                                             |                                              |                            |                                                  |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                         | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AQ)<br>MARINE CORPS BASE CAMP PENDLETON<br>(LCAC AREA (31C))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                            | 4. Project Title<br>Electrical Upgrades |                        |
| 5. Program Element<br>0712776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>81209                    | 7. Project Number<br>P5002 | 8. Project Cost (\$000)<br>4,020        |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                            |                                         |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | UM                                           | Quantity                   | Unit Cost                               | Cost(\$000)            |
| ELECTRICAL UPGRADES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EA                                           | 4                          |                                         | 2,950                  |
| LCAC MAINTENANCE BAY CC21375<br>(RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EA                                           | 1                          | 720,141.79                              | (720)                  |
| LCAC MAINT BAY (WEST) CC21375<br>(RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EA                                           | 1                          | 720,141.79                              | (720)                  |
| LCAC MAINTENANCE BAYS CC21375<br>(RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EA                                           | 1                          | 720,141.79                              | (720)                  |
| LCAC MAINTENANCE BAY CC21375<br>(RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EA                                           | 1                          | 720,141.79                              | (720)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                            |                                         | (40)                   |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                            |                                         | (30)                   |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                            |                                         | 670                    |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                            |                                         | (670)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                            |                                         | 3,620                  |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                            |                                         | 180                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                            |                                         | 3,800                  |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                            |                                         | 220                    |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                            |                                         | 4,020                  |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                            |                                         | 4,020                  |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                            |                                         | 4,020                  |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                            |                                         | (15)                   |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                            |                                         |                        |
| <p>Provides electrical upgrades and modifications to the four maintenance hangars for Assault Craft Unit Five (ACU-5). At each of the hangars the frequency converter will be replaced with disconnect switches rated at 480 volts, and the existing inoperable 400-Hertz system will be replaced. The modifications to the current electrical system will provide 400-Hertz and 60-Hertz connections for dual purpose power capability to support both the current Landing Craft Air Cushion (LCAC) and Ship-to-Shore Connector (SSC) systems at the same time.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. User</p> |                                              |                            |                                         |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                         | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AQ)<br>MARINE CORPS BASE CAMP PENDLETON<br>(LCAC AREA (31C))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                            | 4. Project Title<br>Electrical Upgrades |                        |
| 5. Program Element<br>0712776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>81209                    | 7. Project Number<br>P5002 | 8. Project Cost (\$000)<br>4,020        |                        |
| <p>Generated Unit Costs were used for this project and include the cost of features to meet the minimum DoD AT/FP standards.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                               |                                              |                            |                                         |                        |
| <b>11. Requirement:</b> <u>4 EA</u> <b>Adequate:</b> <u>0 EA</u> <b>Substandard:</b> <u>0 EA</u><br><b>PROJECT:</b><br>Upgrades existing electrical systems in four maintenance hangars to support the new SSC craft.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b><br>The Navy is in the process of building and fielding an evolutionary new SSC system to replace the LCAC vehicle. This new system will offer increased capacity to cope with the growing weight of equipment used by the Army and Marine Corps. It will bring improved technology and increased performance to handle current and future missions, better fuel efficiency, and reduced maintenance through existing shore-based infrastructure.<br><br>This project is required to upgrade the existing electrical system to support new SSCs that will have a 60-Hertz electrical distribution system instead of the current LCACs 400-Hertz. The upgrade and modification to the existing system is required in order to maintain the current LCACs and, to provide adequate power to the new SSC craft. Initial Operational Capability date is July 2020.<br><b>CURRENT SITUATION:</b> |                                              |                            |                                         |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                         | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00681(AQ)<br>MARINE CORPS BASE CAMP PENDLETON<br>(LCAC AREA (31C))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                            | 4. Project Title<br>Electrical Upgrades |                        |
| 5. Program Element<br>0712776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>81209                    | 7. Project Number<br>P5002 | 8. Project Cost (\$000)<br>4,020        |                        |
| <p>The Navy is phasing out the LCACs and over a 10-year timeframe phasing in the SSC program, one craft at a time. The SSC program will provide high-speed, heavy-lift, and ship-to-shore capability no other platform can provide. SSC will be based at existing LCAC locations and requires higher power capacity and larger infrastructure than the existing LCACs. Marine Corps Base Camp Pendleton can only provide power and infrastructure support to the LCACs. The Navy currently is conducting a service life extension program (SLEP) to keep 72 LCACs in use until the SSC's become operational. The SLEP will sustain and enhance craft capability, replace obsolete electronics, and repair corrosion damage.</p> <p>The project is not located in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Failure to provide electrical upgrades will impact operations and support to Marine Expeditionary Forces, and Navy and Marine Corps teams capability to execute a broad spectrum of missions from humanitarian assistance and disaster response to multidimensional amphibious assault.</p> |                                              |                            |                                         |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                            |                                         |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                            |                                         |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                            |                                         |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 09/2016                                      |                            |                                         |                        |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 03/2017                                      |                            |                                         |                        |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 08/2018                                      |                            |                                         |                        |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 35%                                          |                            |                                         |                        |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50%                                          |                            |                                         |                        |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Design Bid Build                             |                            |                                         |                        |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Yes                                          |                            |                                         |                        |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No                                           |                            |                                         |                        |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                            |                                         |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No                                           |                            |                                         |                        |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                            |                                         |                        |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                            |                                         |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$240                                        |                            |                                         |                        |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$120                                        |                            |                                         |                        |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | \$360                                        |                            |                                         |                        |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | \$50                                         |                            |                                         |                        |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | \$310                                        |                            |                                         |                        |
| 4. Contract award:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12/2018                                      |                            |                                         |                        |
| 5. Construction start:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 01/2019                                      |                            |                                         |                        |
| 6. Construction complete:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 12/2019                                      |                            |                                         |                        |
| B. Equipment associated with this project which will be provided from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                            |                                         |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                         | 2. Date<br>05 FEB 2018 |                  |                  |                  |                     |                     |               |                     |  |                    |     |      |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|-----------------------------------------|------------------------|------------------|------------------|------------------|---------------------|---------------------|---------------|---------------------|--|--------------------|-----|------|----|
| 3. Installation(SA)& Location/UIC: M00681(AQ)<br>MARINE CORPS BASE CAMP PENDLETON<br>(LCAC AREA (31C))<br>CAMP PENDLETON, CALIFORNIA                                                                                                                                                                                                                                                             |                                              |                            | 4. Project Title<br>Electrical Upgrades |                        |                  |                  |                  |                     |                     |               |                     |  |                    |     |      |    |
| 5. Program Element<br>0712776N                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>81209                    | 7. Project Number<br>P5002 | 8. Project Cost (\$000)<br>4,020        |                        |                  |                  |                  |                     |                     |               |                     |  |                    |     |      |    |
| other appropriations:<br><table border="0"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th><u>Cost (\$000)</u></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Portable Generator</td> <td>OPN</td> <td>2019</td> <td>15</td> </tr> </tbody> </table> |                                              |                            |                                         |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> | <u>Cost (\$000)</u> | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> |  | Portable Generator | OPN | 2019 | 15 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                 | <u>Procuring</u>                             | <u>FY Approp</u>           | <u>Cost (\$000)</u>                     |                        |                  |                  |                  |                     |                     |               |                     |  |                    |     |      |    |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                              | <u>Approp</u>                                | <u>or Requested</u>        |                                         |                        |                  |                  |                  |                     |                     |               |                     |  |                    |     |      |    |
| Portable Generator                                                                                                                                                                                                                                                                                                                                                                               | OPN                                          | 2019                       | 15                                      |                        |                  |                  |                  |                     |                     |               |                     |  |                    |     |      |    |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.                                                                                                                |                                              |                            |                                         |                        |                  |                  |                  |                     |                     |               |                     |  |                    |     |      |    |
| Activity POC: Project Development Lead      Phone No: 202-781-4142                                                                                                                                                                                                                                                                                                                               |                                              |                            |                                         |                        |                  |                  |                  |                     |                     |               |                     |  |                    |     |      |    |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |                                                       |                |             |         |                                     |     |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|-----------------|-------------------------------------------------------|----------------|-------------|---------|-------------------------------------|-----|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |                 |                                                       |                |             |         | 2. Date<br>05 FEB 2018              |     |                  |
| 3. Installation and Location: N00246<br>NAVBASE CORONADO SAN DIEGO CA<br>CORONADO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 | 4. Command<br>Commander Navy<br>Installations Command |                |             |         | 5. Area Const<br>Cost Index<br>1.19 |     |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PERMANENT                                    |                      |                 | STUDENTS                                              |                |             | SUPPORT |                                     |     | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OFF                                          | ENL                  | CIV             | OFF                                                   | ENL            | CIV         | OFF     | ENL                                 | CIV |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1893                                         | 13398                | 3423            | 0                                                     | 0              | 0           | 300     | 985                                 | 0   | 19999            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1873                                         | 12806                | 3423            | 0                                                     | 0              | 0           | 300     | 985                                 | 0   | 19387            |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                      |                 |                                                       |                |             |         |                                     |     |                  |
| A. TOTAL ACREAGE ..(4777 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |                                                       |                |             |         |                                     |     |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |                                                       |                |             |         |                                     |     | 7,987,558        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |                 |                                                       |                |             |         |                                     |     | 189,488          |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                      |                 |                                                       |                |             |         |                                     |     | 77,780           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |                                                       |                |             |         |                                     |     | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |                                                       |                |             |         |                                     |     | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |                                                       |                |             |         |                                     |     | 1,011,041        |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |                 |                                                       |                |             |         |                                     |     | <b>9,265,867</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |                 |                                                       |                |             |         |                                     |     |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              | <u>Design Status</u> |                 |                                                       |                | <u>Cost</u> |         |                                     |     |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <u>Project Title</u>                         | <u>Start</u>         | <u>Complete</u> | <u>Scope</u>                                          | <u>(\$000)</u> |             |         |                                     |     |                  |
| 11320                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CMV-22B Airfield Improvements                | 10/2016              | 03/2018         | 130566 m2                                             | 77,780         |             |         |                                     |     |                  |
| TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |                 |                                                       | 77,780         |             |         |                                     |     |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                      |                 |                                                       |                |             |         |                                     |     |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |                 |                                                       |                |             |         |                                     |     |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |                                                       |                |             |         |                                     |     |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |                                                       |                |             |         |                                     |     | 2,102,070        |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |                                                       |                |             |         |                                     |     |                  |
| <p>Naval Base Coronado's mission is to provide the highest quality base operating support and quality of life services to U.S. Navy operating forces and for assigned activities and other commands as needed, and to provide the right support, at the right time, in the right amount, enabling operating forces to produce the right level of combat readiness; that is, support the Fleet, Fighter and Family. Naval Base Coronado includes the following sites: Naval Air Station North Island, Coronado; Naval Amphibious Base, Coronado; Naval Outlying Landing Field, Imperial Beach; Naval Auxiliary Landing Field, San Clemente Island; Silver Strand Training Complex, Coronado; Camp Michael Monsoor Mountain Warfare Training Center, La Posta; Camp Morena, La Posta and the Remote Training Site, Warner Springs.</p> |                                              |                      |                 |                                                       |                |             |         |                                     |     |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |                 |                                                       |                |             |         |                                     |     |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |                 |                                                       |                |             |         |                                     |     | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |                 |                                                       |                |             |         |                                     |     | 0                |

|                                                                                               |                                                       |                                     |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N00246<br>NAVBASE CORONADO SAN DIEGO CA<br>CORONADO, CALIFORNIA | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.19 |

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|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|---------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00246<br>NAVBASE CORONADO SAN DIEGO CA<br>CORONADO, CALIFORNIA                            |                                              |                            | 4. Project Title<br>CMV-22B Airfield Improvements |                        |
| 5. Program Element<br>0203176N                                                                                                | 6. Category Code<br>11320                    | 7. Project Number<br>P1018 | 8. Project Cost (\$000)<br>77,780                 |                        |
| <b>9. COST ESTIMATES</b>                                                                                                      |                                              |                            |                                                   |                        |
| Item                                                                                                                          | UM                                           | Quantity                   | Unit Cost                                         | Cost(\$000)            |
| CMV-22B AIRFIELD IMPROVEMENTS<br>(1,405,397SF)                                                                                | m2                                           | 130,565.66                 |                                                   | 54,480                 |
| PARKING APRON 3 CC11320<br>(571,504SF) (RENOVATE)                                                                             | m2                                           | 53,094.48                  | 284.56                                            | (15,110)               |
| REWORK ELEC FORKLIFT /<br>HYDRAULIC CC21163 (33,277SF)                                                                        | m2                                           | 3,091.53                   | 5,202.83                                          | (16,080)               |
| HELIPAD 2 CC11120 (22,497SF)<br>(RENOVATE)                                                                                    | m2                                           | 2,090                      | 305.09                                            | (640)                  |
| TAXIWAY LIMA CC11210<br>(327,297SF) (RENOVATE)                                                                                | m2                                           | 30,406.91                  | 241.66                                            | (7,350)                |
| APRON 3 EXPANSION CC11320<br>(422,387SF)                                                                                      | m2                                           | 39,241.08                  | 291.92                                            | (11,460)               |
| WASH RACK CC11610 (9,393SF)                                                                                                   | m2                                           | 872.66                     | 965.67                                            | (840)                  |
| BUILDING #861 (5,199SF)<br>(RENOVATE)                                                                                         | m2                                           | 483                        | 1,242.24                                          | (600)                  |
| BUILDING #825 (13,842SF)<br>(RENOVATE)                                                                                        | m2                                           | 1,286                      | 571.54                                            | (740)                  |
| SPECIAL COSTS                                                                                                                 | LS                                           |                            |                                                   | (1,030)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                   | LS                                           |                            |                                                   | (630)                  |
| SUPPORTING FACILITIES                                                                                                         |                                              |                            |                                                   | 15,610                 |
| SITE PREPARATIONS                                                                                                             | LS                                           |                            |                                                   | (4,060)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                  | LS                                           |                            |                                                   | (1,420)                |
| ELECTRICAL UTILITIES                                                                                                          | LS                                           |                            |                                                   | (3,240)                |
| MECHANICAL UTILITIES                                                                                                          | LS                                           |                            |                                                   | (3,570)                |
| DEMOLITION                                                                                                                    | LS                                           |                            |                                                   | (3,320)                |
| SUBTOTAL                                                                                                                      |                                              |                            |                                                   | 70,090                 |
| CONTINGENCY (5%)                                                                                                              |                                              |                            |                                                   | 3,500                  |
| TOTAL CONTRACT COST                                                                                                           |                                              |                            |                                                   | 73,590                 |
| SIOH (5.7%)                                                                                                                   |                                              |                            |                                                   | 4,190                  |
| SUBTOTAL                                                                                                                      |                                              |                            |                                                   | 77,780                 |
| TOTAL REQUEST ROUNDED                                                                                                         |                                              |                            |                                                   | 77,780                 |
| TOTAL REQUEST                                                                                                                 |                                              |                            |                                                   | 77,780                 |
| <b>10. Description of Proposed Construction:</b><br>Constructs new airfield paving, a parking apron, wash rack, taxiway and a |                                              |                            |                                                   |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                            |                                                   |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|---------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00246<br>NAVBASE CORONADO SAN DIEGO CA<br>CORONADO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                            | 4. Project Title<br>CMV-22B Airfield Improvements |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>11320                    | 7. Project Number<br>P1018 | 8. Project Cost (\$000)<br>77,780                 |                        |
| <p>helipad in support of VRM-30's CMV-22B squadron at Naval Air Station North Island (NASNI). Constructs a forklift rework shop that is required in order to relocate an existing site tenant away from the project site area. Project also makes minor interior renovations to Buildings #861 and #825 in support of tenants requiring relocation from the project site. Project relocates existing laydown area to a concrete area north of the project site. Constructs parking apron, taxiway, and helipad designed so that they can support the CMV-22B's weight and high heat signature.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. User Generated Unit Costs were used for this project and include the cost of features to meet the minimum DoD AT/FP standards.</p> <p>Special Costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes excavation, grading, clearing, grubbing and removal of old tie downs. Additional site preparation includes demolition of taxiway Lima and old apron, old utilities and manholes.</p> <p>Paving and site improvements includes airfield striping, roadways, approximately 80 parking spaces, curbs, gutters, sidewalks, fencing, signs and landscaping.</p> <p>Electrical utilities include primary and secondary electrical and communications distribution systems lighting, transformers and telecommunications infrastructure.</p> <p>Mechanical utilities includes fire protection systems, supply fixtures and water, gas, storm water, sanitary sewer and water lines.</p> <p>Demolition includes Building #312 (2,386.8 m2), Building #42 (2,681.6m2),</p> |                                              |                            |                                                   |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                            |                                                   |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00246<br>NAVBASE CORONADO SAN DIEGO CA<br>CORONADO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                            | 4. Project Title<br>CMV-22B Airfield Improvements |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>11320                    | 7. Project Number<br>P1018 | 8. Project Cost (\$000)<br>77,780                 |                        |
| <p>Building #309 (2,169.8m2), Building #329 (6.5 m2), Building #308B (9.4 m2), Building #308C (15.5 m2), Building #308A (16.3 m2), Building #373 (6.5 m2), Building #308 (2,077.7 m2), Building #310 (2,136.8 m2), Building #328 (8.1 m2), Building #304 (91 m2), Building #331 (8.5 m2), Building #306 (2,253.4 m2), Building #C41 (306.6 m2), Building #372 (8.2 m2), Building #C29 (301.9 m2) and Building #C88 (301.9 m2). All of the above facilities will be demolished to clear the site for this project.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                            |                                                   |                        |
| <b>11. Requirement:</b> <u>130,566 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs adequate aircraft parking apron for the CMV-22B, provide 400hz to parking apron and will provide all other infrastructure improvements required to make the airfield a complete and usable facility for the CMV-22B. Project will demolish 18 facilities to clear the area for the project.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>Adequate airfield areas and facilities are required for Navy CMV-22B aircraft. This project supports the transition plan for the Carrier Onboard Delivery (COD) to shift to the CMV-22B from their current airframe, C-2 Greyhound. During this shift, VRC-30 will transition to VRM-30 as the CMV-22B Osprey becomes the primary airframe for COD missions. VRM-30 will receive a total of 17 aircraft with four additional aircraft being forward deployed. Seventeen CMV-22B aircraft will be based at NASNI. VRM-30 will require 13 aircraft apron parking spots to support their expected home basing projection with at least one detachment of the 17 will be in the hangar at any given time.<br><b>CURRENT SITUATION:</b><br>Currently, VRC-30 operates the C-2 Greyhound and is located in Hangar 525. There are 11 operational C-2As at NASNI (four detachments of two aircraft plus additional three aircraft in a shore component).<br><br>The CMV-22B Osprey is a multi-mission tilt-rotor Vertical/Short Take Off and Landing (VSTOL) aircraft with two wingtip-mounted prop rotors. The aircraft combines the Vertical Take Off and Landing (VTOL) and hovering advantages of the helicopter, with the high-speed, high-altitude cruise |                                              |                            |                                                   |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                            |                                                   |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00246<br>NAVBASE CORONADO SAN DIEGO CA<br>CORONADO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                            | 4. Project Title<br>CMV-22B Airfield Improvements |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Category Code<br>11320                    | 7. Project Number<br>P1018 | 8. Project Cost (\$000)<br>77,780                 |                        |
| <p>capability of modern turboprop aircraft. The current configuration of the runways and taxiways that support the C-2A does not support the configuration requirements of the CMV-22B.</p> <p>The existing wash rack does not meet the minimum standards and it does not have curbing or a dedicated utilities control building as required.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>NASNI currently has no airfield area that can support long-term homebasing and growth of the CMV-22B. Additional apron space is required to support the increased number of operational aircraft. Currently 11 operational C-2As are supported at VRC-30; however, this will increase to 17 operational CMV-22Bs.</p> <p>VRM-30 personnel will not be able to perform maintenance on the required number of aircraft, forcing scheduled maintenance tasks to be performed on the apron or delayed which will impact aircraft mission availability.</p> <p>Homebasing CMV-22B airframes at NASNI without adequate parking aprons, taxiways, and helipads will result in accelerated deterioration of the airfield at NASNI. Ultimately this accelerated deterioration will affect not only the COD mission of VRM-30 but other missions integral to the Navy.</p> |                                              |                            |                                                   |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                            |                                                   |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                            |                                                   |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                            |                                                   |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10/2016                                      |                            |                                                   |                        |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 05/2017                                      |                            |                                                   |                        |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10/2018                                      |                            |                                                   |                        |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 35%                                          |                            |                                                   |                        |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 75%                                          |                            |                                                   |                        |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Design Bid Build                             |                            |                                                   |                        |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes                                          |                            |                                                   |                        |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No                                           |                            |                                                   |                        |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                            |                                                   |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No                                           |                            |                                                   |                        |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                            |                                                   |                        |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                            |                                                   |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$4,670                                      |                            |                                                   |                        |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$2,330                                      |                            |                                                   |                        |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$7,000                                      |                            |                                                   |                        |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$5,640                                      |                            |                                                   |                        |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$1,360                                      |                            |                                                   |                        |
| 4. Contract award:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 06/2019                                      |                            |                                                   |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                            |                                                   |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00246<br>NAVBASE CORONADO SAN DIEGO CA<br>CORONADO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                            | 4. Project Title<br>CMV-22B Airfield Improvements |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>11320                    | 7. Project Number<br>P1018 | 8. Project Cost (\$000)<br>77,780                 |                        |
| 5. Construction start: 07/2019<br>6. Construction complete: 10/2021<br>B. Equipment associated with this project which will be provided from<br>other appropriations: NONE<br>JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for<br>joint use potential. Unilateral Construction is recommended. This is an<br>installation utility/infrastructure project and does not qualify for joint<br>use at this location, however, all tenants on this installation are<br>benefited by this project.<br><br>Activity POC: Project Development Lead      Phone No: 619-545-9478 |                                              |                            |                                                   |                        |

|                                                                                                    |                                              |                            |                                                   |                        |
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| 1. Component<br>NAVY                                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00246<br>NAVBASE CORONADO SAN DIEGO CA<br>CORONADO, CALIFORNIA |                                              |                            | 4. Project Title<br>CMV-22B Airfield Improvements |                        |
| 5. Program Element<br>0203176N                                                                     | 6. Category Code<br>11320                    | 7. Project Number<br>P1018 | 8. Project Cost (\$000)<br>77,780                 |                        |
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|                                                                                                                                                                                                                                                            |                                              |                      |                 |          |     |              |                                                       |                        |                                     |                  |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |                 |          |     |              |                                                       | 2. Date<br>05 FEB 2018 |                                     |                  |
| 3. Installation and Location: N63042<br>NAS LEMOORE CA<br>LEMOORE, CALIFORNIA                                                                                                                                                                              |                                              |                      |                 |          |     |              | 4. Command<br>Commander Navy<br>Installations Command |                        | 5. Area Const<br>Cost Index<br>1.22 |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                           | PERMANENT                                    |                      |                 | STUDENTS |     |              | SUPPORT                                               |                        |                                     | TOTAL            |
|                                                                                                                                                                                                                                                            | OFF                                          | ENL                  | CIV             | OFF      | ENL | CIV          | OFF                                                   | ENL                    | CIV                                 |                  |
|                                                                                                                                                                                                                                                            | 788                                          | 5155                 | 463             | 0        | 0   | 0            | 38                                                    | 337                    | 0                                   | 6781             |
|                                                                                                                                                                                                                                                            | 951                                          | 5786                 | 463             | 0        | 0   | 0            | 38                                                    | 137                    | 0                                   | 7375             |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                           |                                              |                      |                 |          |     |              |                                                       |                        |                                     |                  |
| A. TOTAL ACREAGE ..(29242 Acres)                                                                                                                                                                                                                           |                                              |                      |                 |          |     |              |                                                       |                        |                                     |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                       |                                              |                      |                 |          |     |              |                                                       |                        |                                     | 3,193,330        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                |                                              |                      |                 |          |     |              |                                                       |                        |                                     | 137,538          |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                           |                                              |                      |                 |          |     |              |                                                       |                        |                                     | 112,690          |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                       |                                              |                      |                 |          |     |              |                                                       |                        |                                     | 63,520           |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                               |                                              |                      |                 |          |     |              |                                                       |                        |                                     | 261,020          |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                              |                                              |                      |                 |          |     |              |                                                       |                        |                                     | 322,735          |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                |                                              |                      |                 |          |     |              |                                                       |                        |                                     | <b>4,090,833</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                      |                                              |                      |                 |          |     |              |                                                       |                        |                                     |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                 |                                              | <u>Design Status</u> |                 |          |     | <u>Scope</u> |                                                       | <u>Cost</u>            |                                     |                  |
| <u>Code</u>                                                                                                                                                                                                                                                | <u>Project Title</u>                         | <u>Start</u>         | <u>Complete</u> |          |     |              |                                                       |                        | <u>(\$000)</u>                      |                  |
| 21105                                                                                                                                                                                                                                                      | F-35 Maintenance Hangar                      | 09/2016              | 01/2020         |          |     | 94654 m2     |                                                       |                        | 112,690                             |                  |
| TOTAL                                                                                                                                                                                                                                                      |                                              |                      |                 |          |     |              |                                                       |                        | 112,690                             |                  |
| 9. Future Projects:                                                                                                                                                                                                                                        |                                              |                      |                 |          |     |              |                                                       |                        |                                     |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                      |                                              |                      |                 |          |     |              |                                                       |                        |                                     |                  |
| 14320 Alert Force Facility                                                                                                                                                                                                                                 |                                              |                      |                 |          |     |              |                                                       |                        | 63,520                              |                  |
| TOTAL                                                                                                                                                                                                                                                      |                                              |                      |                 |          |     |              |                                                       |                        | 63,520                              |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                         |                                              |                      |                 |          |     |              |                                                       |                        |                                     |                  |
| 21105 F-35C Hangar 6 Phase 2 (Mod 3/4)                                                                                                                                                                                                                     |                                              |                      |                 |          |     |              |                                                       |                        | 98,070                              |                  |
| 13510 F-35C Communication Line (Ops to Admin)                                                                                                                                                                                                              |                                              |                      |                 |          |     |              |                                                       |                        | 13,400                              |                  |
| 17135 F-35C Simulator Facility & Electrical Upgrades                                                                                                                                                                                                       |                                              |                      |                 |          |     |              |                                                       |                        | 49,550                              |                  |
| 21105 F-35C Hangar 3 Upgrade                                                                                                                                                                                                                               |                                              |                      |                 |          |     |              |                                                       |                        | 100,000                             |                  |
| TOTAL                                                                                                                                                                                                                                                      |                                              |                      |                 |          |     |              |                                                       |                        | 261,020                             |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                       |                                              |                      |                 |          |     |              |                                                       |                        |                                     | 444,096          |
| 10. Mission or Major Functions:                                                                                                                                                                                                                            |                                              |                      |                 |          |     |              |                                                       |                        |                                     |                  |
| Maintain and operate facilities and provide services and materials to support the aviation assets and operations of the Pacific Fleet. This base is the homeport for all Pacific Fleet Light Attack (F/A-18) Squadrons and Replacement Training Squadrons. |                                              |                      |                 |          |     |              |                                                       |                        |                                     |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                 |                                              |                      |                 |          |     |              |                                                       |                        |                                     |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                 |                                              |                      |                 |          |     |              |                                                       |                        |                                     | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                 |                                              |                      |                 |          |     |              |                                                       |                        |                                     | 0                |

|                                                                               |                                                       |                                     |
|-------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N63042<br>NAS LEMOORE CA<br>LEMOORE, CALIFORNIA | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.22 |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N63042<br>NAS LEMOORE CA<br>LEMOORE, CALIFORNIA                                                                                                                                                                                                                                                                    |                                              |                           | 4. Project Title<br>F-35 Maintenance Hangar |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                        | 6. Category Code<br>21105                    | 7. Project Number<br>P284 | 8. Project Cost (\$000)<br>112,690          |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                             |                        |
| Item                                                                                                                                                                                                                                                                                                                                                  | UM                                           | Quantity                  | Unit Cost                                   | Cost(\$000)            |
| F-35 MAINTENANCE HANGAR<br>(1,018,845SF)                                                                                                                                                                                                                                                                                                              | m2                                           | 94,653.84                 |                                             | 83,880                 |
| AIRCRAFT MAINTENANCE HANGAR<br>TYPE I CC21105 (110,793SF)                                                                                                                                                                                                                                                                                             | m2                                           | 10,293                    | 5,725.70                                    | (58,930)               |
| OPERATIONAL STORAGE CC14377<br>(3,670SF)                                                                                                                                                                                                                                                                                                              | m2                                           | 341                       | 3,034.06                                    | (1,030)                |
| AIRCRAFT PAVEMENTS CC11320<br>(900,800SF)                                                                                                                                                                                                                                                                                                             | m2                                           | 83,687.06                 | 238.25                                      | (19,940)               |
| FRC BATTERY SHOP CC21850<br>(2,849SF) (RENOVATE)                                                                                                                                                                                                                                                                                                      | m2                                           | 264.68                    | 2,044.46                                    | (540)                  |
| PEB TOOL ROOM CC21116 (733SF)                                                                                                                                                                                                                                                                                                                         | m2                                           | 68.1                      | 3,638.4                                     | (250)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                             | (2,860)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                             | (330)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                             | 14,120                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                             | (1,140)                |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                             | (1,670)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                             | (2,730)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                             | (7,260)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                             | (1,320)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                             | 98,000                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                             | 4,900                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                             | 102,900                |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                             | 5,870                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                             | 108,770                |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             | 3,920                  |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                             | 112,690                |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                             | 112,690                |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                      |                                              |                           |                                             | (9,819)                |
| <b>10. Description of Proposed Construction:</b><br>Constructs a multi-story aircraft maintenance hangar with reinforced concrete masonry unit, metal-deck, combination of steep slope standing seam metal roof and low slope built-up roof, and pile foundation. The facility will have high bay space; shops and maintenance space; and operations, |                                              |                           |                                             |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                             |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N63042<br>NAS LEMOORE CA<br>LEMOORE, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>F-35 Maintenance Hangar |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>21105                    | 7. Project Number<br>P284 | 8. Project Cost (\$000)<br>112,690          |                        |
| <p>training, and administrative space. Hangar facility to include aircraft cooling air system, aircraft service stations/kiosks, emergency generator for power and fire suppression storage tanks.</p> <p>Constructs aircraft parking apron, taxiway connections, and shoulders. Parking apron to include aircraft service stations/kiosks.</p> <p>Constructs operational storage. Renovates existing space to provide a battery shop. Constructs a new pre-engineered building for a tool room.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. User Generated Unit Cost is used for specific AT/FP features are included in the unit costs.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), condensed schedule premium, and temporary facilities. Special costs also include monitoring during Secure Access Program Facility (SAPF) construction; including surveillance by Construction Security Technicians and Cleared American Guards during secure space finish work in accordance with Intelligence Community guidance. Construction monitoring is required to observe the construction to ensure there are no abnormalities that could affect and compromise the SAPF.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special construction features include temporary facilities, a wash rack utilities support control building, and liquid oxygen storage.</p> <p>Site preparation includes removal of existing pavement, contaminated soil removal, excavation, grading, site clearing and grubbing, borrow material, and site cleanup.</p> <p>Paving and site improvements include grading, road access, curbs and</p> |                                              |                           |                                             |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                             |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N63042<br>NAS LEMOORE CA<br>LEMOORE, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           | 4. Project Title<br>F-35 Maintenance Hangar |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21105                    | 7. Project Number<br>P284 | 8. Project Cost (\$000)<br>112,690          |                        |
| <p>gutters, ready storage locker pads, parking for approximately 300 spaces, pedestrian features, security fencing, canopy site development, landscaping, stormwater infiltration system, airfield support facilities, wash rack and hazmat storage area.</p> <p>Electrical utilities include primary and secondary distribution systems, unit substations, aircraft protection equipment shelters, generators, lighting, and telecommunications infrastructure.</p> <p>Mechanical utilities include natural gas lines, water distribution lines, stormwater, sanitary sewer lines, fire protection systems and supply lines, and water storage tanks.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                             |                        |
| <p><b>11. Requirement:</b> <u>94,654 m2</u> <b>Adequate:</b> <b>Substandard:</b></p> <p><b>PROJECT:</b></p> <p>Constructs a two-module Type I aircraft maintenance hangar and associated airfield pavements, operational and munitions storage, renovates existing battery shop and builds new tool room.</p> <p><b>(New Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>The F-35C replaces the aging F/A-18C Hornet. The progressive transition from the legacy F/A-18C to the F-35C requires unique technology and infrastructure requirements for the new aircraft. NAS Lemoore will be home to 16 deployable squadrons by 2018.</p> <p><b>CURRENT SITUATION:</b></p> <p>None of the existing hangars meet the space, security and electrical requirements to support F-35C aircraft; therefore, a new hangar is required to support the new mission requirements. Current hangar space at NAS Lemoore is insufficient and inadequate to support the F-35C.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>NAS Lemoore will be unable to support the mission essential operations, training, and maintenance requirements of the F-35C. Severe, negative operational impacts will be imposed on flight, maintenance and training</p> |                                              |                           |                                             |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                             |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N63042<br>NAS LEMOORE CA<br>LEMOORE, CALIFORNIA                                                                                                                                                                                                                                                                                                                                              |                                              |                           | 4. Project Title<br>F-35 Maintenance Hangar |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>21105                    | 7. Project Number<br>P284 | 8. Project Cost (\$000)<br>112,690          |                        |
| <p>operations.</p> <p>By 2018, NAS Lemoore will be the home of 16 deployable fleet squadrons and two Fleet Replacement Squadrons, training F/A-18 and F-35C pilots. Existing F/A-18 squadrons will begin transitioning to F-35C squadrons with the first transition in January 2018, the second transition in May 2021, the third transition in Aug 2023, and so on. By 2028, NAS Lemoore will have approximately 278 jets.</p> |                                              |                           |                                             |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                             |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                             |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                             |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                             | 09/2016                |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                             | 03/2017                |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                             | 06/2019                |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                             | 15%                    |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                             | 35%                    |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                             | Design Build           |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                             | Yes                    |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                             | No                     |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                             |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                             | No                     |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             | N/A                    |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                             |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                             | \$2,250                |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                             | \$3,380                |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                             | \$5,630                |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                             | \$3,660                |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                             | \$1,970                |
| 4. Contract award:                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                             | 03/2019                |
| 5. Construction start:                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                             | 07/2019                |
| 6. Construction complete:                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                             | 03/2021                |
| B. Equipment associated with this project which will be provided from other appropriations:                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                             |                        |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                | <u>Procuring</u>                             | <u>FY Approp</u>          |                                             |                        |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                             | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                         |                        |
| Aircraft Protection Equipment                                                                                                                                                                                                                                                                                                                                                                                                   | OPN                                          | 2020                      | 3,600                                       |                        |
| Audio / Visual Equipment                                                                                                                                                                                                                                                                                                                                                                                                        | OPN                                          | 2020                      | 78                                          |                        |
| Electronic Security Equipment                                                                                                                                                                                                                                                                                                                                                                                                   | OPN                                          | 2019                      | 336                                         |                        |
| Furnishings, Fixture and Equipment                                                                                                                                                                                                                                                                                                                                                                                              | OMN                                          | 2020                      | 5,230                                       |                        |
| NMCI / SIPR Activation                                                                                                                                                                                                                                                                                                                                                                                                          | OPN                                          | 2020                      | 375                                         |                        |
| SAPF Certification                                                                                                                                                                                                                                                                                                                                                                                                              | OPN                                          | 2021                      | 200                                         |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                             |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N63042<br>NAS LEMOORE CA<br>LEMOORE, CALIFORNIA                                                                                                                                                                                                                                                                                                                                    |                                              |                           | 4. Project Title<br>F-35 Maintenance Hangar |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                        | 6. Category Code<br>21105                    | 7. Project Number<br>P284 | 8. Project Cost (\$000)<br>112,690          |                        |
| <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.</p> <p>Activity POC: Project Development Lead      Phone No: (559) 998-4169</p> |                                              |                           |                                             |                        |

|                                                                                    |                                              |                           |                                             |                        |
|------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N63042<br>NAS LEMOORE CA<br>LEMOORE, CALIFORNIA |                                              |                           | 4. Project Title<br>F-35 Maintenance Hangar |                        |
| 5. Program Element<br>0712876N                                                     | 6. Category Code<br>21105                    | 7. Project Number<br>P284 | 8. Project Cost (\$000)<br>112,690          |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |                 |                                                 |                |                                     | 2. Date<br>05 FEB 2018 |     |       |                  |
| 3. Installation and Location: M67865<br>MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 | 4. Command<br>Commandant of the<br>Marine Corps |                | 5. Area Const<br>Cost Index<br>1.19 |                        |     |       |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PERMANENT                                    |                      |                 | STUDENTS                                        |                |                                     | SUPPORT                |     |       | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OFF                                          | ENL                  | CIV             | OFF                                             | ENL            | CIV                                 | OFF                    | ENL | CIV   |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1121                                         | 8235                 | 779             | 123                                             | 983            | 0                                   | 0                      | 0   | 43987 | 55228            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1175                                         | 8545                 | 779             | 111                                             | 960            | 0                                   | 0                      | 0   | 43987 | 55557            |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |                                                 |                |                                     |                        |     |       |                  |
| A. TOTAL ACREAGE ..(15480 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |                                                 |                |                                     |                        |     |       |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |                 |                                                 |                |                                     |                        |     |       | 3,002,999        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |                                                 |                |                                     |                        |     |       | 0                |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |                                                 |                |                                     |                        |     |       | 31,980           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |                 |                                                 |                |                                     |                        |     |       | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                      |                 |                                                 |                |                                     |                        |     |       | 47,450           |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |                                                 |                |                                     |                        |     |       | 609,710          |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |                                                 |                |                                     |                        |     |       | <b>3,692,139</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |                                                 |                |                                     |                        |     |       |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              | <u>Design Status</u> |                 |                                                 |                | <u>Cost</u>                         |                        |     |       |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>Project Title</u>                         | <u>Start</u>         | <u>Complete</u> | <u>Scope</u>                                    | <u>(\$000)</u> |                                     |                        |     |       |                  |
| 11125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | F-35 Vertical Landing Pads and Taxiway       | 09/2016              | 01/2018         | 18582 m2                                        | 20,480         |                                     |                        |     |       |                  |
| 87210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Airfield Security Improvements               | 09/2016              | 01/2018         | 7500 m                                          | 11,500         |                                     |                        |     |       |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 | TOTAL                                           | 31,980         |                                     |                        |     |       |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |                 |                                                 |                |                                     |                        |     |       |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |                                                 |                |                                     |                        |     |       |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |                                                 |                |                                     |                        |     |       |                  |
| 21121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Centralized Engine Repair Facility           |                      |                 |                                                 |                | 22,450                              |                        |     |       |                  |
| 21105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CH-53K Simulator Facility                    |                      |                 |                                                 |                | 25,000                              |                        |     |       |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |                                                 | TOTAL          | 47,450                              |                        |     |       |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |                 |                                                 | 342,456        |                                     |                        |     |       |                  |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |                                                 |                |                                     |                        |     |       |                  |
| Marine Corps Air Station Miramar supports and enhances the combat readiness of 3rd Marine Aircraft Wing units and other Department of Defense units while improving the quality of life for military personnel, their families, and work force assigned to the Air Station. The Air Station maintains facilities and property, provides security and other services, and operates the airfield in support of tenant units and other forces training/preparing for combat in order to deter, prevent, and defeat threats and aggression aimed at the United States. |                                              |                      |                 |                                                 |                |                                     |                        |     |       |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |                                                 |                |                                     |                        |     |       |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |                                                 |                |                                     |                        |     |       | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |                                                 |                |                                     |                        |     |       | 0                |

|                                                                             |                                                 |                                     |
|-----------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>    | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: M67865<br>MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA | 4. Command<br>Commandant of the<br>Marine Corps | 5. Area Const<br>Cost Index<br>1.19 |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                               | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M67865<br>MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>F-35 Vertical Landing Pads and<br>Taxiway |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>11125                    | 7. Project Number<br>P222 | 8. Project Cost (\$000)<br>20,480                             |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                               |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | UM                                           | Quantity                  | Unit Cost                                                     | Cost(\$000)            |
| F-35 VERTICAL LANDING PADS AND<br>TAXIWAY (200,017SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | m2                                           | 18,582.15                 |                                                               | 9,990                  |
| TAXIWAY CC11210 (120,019SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | m2                                           | 11,150.15                 | 484.25                                                        | (5,400)                |
| VTOL PADS HEAT RESISTANCE<br>CONCRETE CC11125 (79,997SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | m2                                           | 7,432                     | 566.19                                                        | (4,210)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                               | (270)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                               | (110)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                               | 8,470                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                               | (1,510)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                               | (680)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                                               | (480)                  |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                                               | (5,800)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                               | 18,460                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                               | 920                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                               | 19,380                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                               | 1,100                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                               | 20,480                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                               | 20,480                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                               | 20,480                 |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                               |                        |
| <p>Constructs two vertical landing pads (VLP) to support the F-35B short take off vertical landing (STOVL) aircraft. The pads will consist of a combination of advanced high temperature concrete (HTC) material and standard runway grade concrete.</p> <p>Constructs taxiway connecting existing runways and taxiways to vertical landing pads.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS) including geospatial surveys and mapping.</p> |                                              |                           |                                                               |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                               |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                               | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M67865<br>MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           | 4. Project Title<br>F-35 Vertical Landing Pads and<br>Taxiway |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>11125                    | 7. Project Number<br>P222 | 8. Project Cost (\$000)<br>20,480                             |                        |
| <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes demolition of existing pavement, site clearing, excavation, and HTC test panels.</p> <p>Environmental mitigation includes contaminated soil removal, bio-monitoring, stream bed restoration.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                         |                                              |                           |                                                               |                        |
| <b>11. Requirement:</b> <u>18,582 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Project will construct two concrete VLPs and improve the taxiways and shoulders.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b><br>MCAS Miramar is slated to receive five F-35B squadrons that will require a landing pad that can withstand extraordinarily high thermal loads during vertical landing operations by the F-35B STOVL aircraft. The VLPs are required to support the F-35B pilot training syllabus and other F-35B operations. First aircraft arrival and initial operational capability is FY2020.<br><br>This F-35 MILCON project is required to support the Marine Corps Aviation Plan, Operational, Training and Maintenance Requirements, Planned Deployment Schedules and overall flexibility of Aviation Assets and Facilities.<br><b>CURRENT SITUATION:</b><br>Currently there are no HTC vertical landing pads at MCAS Miramar that will support the F-35 mission. |                                              |                           |                                                               |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------------------|------------------------|-----------------------------------------------------|---------|----------------------------------------------------------|---------|---------------------------|---------|--------------------------------------------|-----|------------------------------------------|------|-----------------------------|------------------|----------------------------------------------|-----|------------------------------------------------|-----|-----------------------------------|----|--------------------------------------|-----|--------------------------------------------|---------|----------------------------|-------|-----------|---------|--------------|-----|--------------|---------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                               | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| 3. Installation(SA)& Location/UIC: M67865<br>MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>F-35 Vertical Landing Pads and<br>Taxiway |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6. Category Code<br>11125                    | 7. Project Number<br>P222 | 8. Project Cost (\$000)<br>20,480                             |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Due to the high temperature environment of the F-35B, the existing primary landing surfaces at MCAS Miramar will not remain operational because of the faster rate of degradation to the concrete caused by STOVL landings. Without operational VLPs the requirements for training on the F-35 will not be met and the F-35B would be unable to conduct vertical landings at MCAS Miramar or certain maintenance check flights.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2016</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>03/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>01/2018</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>35%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>100%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>Yes</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td>N/A</td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$1,228</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$614</td> </tr> <tr> <td>(C) Total</td> <td>\$1,842</td> </tr> <tr> <td>(D) Contract</td> <td>\$0</td> </tr> <tr> <td>(E) In-house</td> <td>\$1,842</td> </tr> </table> <p>4. Contract award: 12/2018</p> <p>5. Construction start: 01/2019</p> <p>6. Construction complete: 12/2019</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p><b>JOINT USE CERTIFICATION:</b></p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Joint Use is recommended.</p> <p>Activity POC: Project Development Lead      Phone No: 858-577-1227</p> |                                              |                           |                                                               |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 03/2017 | (C) Date design completed | 01/2018 | (D) Percent completed as of September 2017 | 35% | (E) Percent completed as of January 2018 | 100% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | Yes | (A) Standard or Definitive Design | No | (B) Where design was previously used | N/A | (A) Production of plans and specifications | \$1,228 | (B) All other design costs | \$614 | (C) Total | \$1,842 | (D) Contract | \$0 | (E) In-house | \$1,842 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 09/2016                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 03/2017                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 01/2018                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 35%                                          |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100%                                         |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Design Bid Build                             |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes                                          |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes                                          |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | No                                           |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | N/A                                          |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$1,228                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$614                                        |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$1,842                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | \$0                                          |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | \$1,842                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |      |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |     |              |         |

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|----------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                               | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M67865<br>MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA |                                              |                           | 4. Project Title<br>F-35 Vertical Landing Pads and<br>Taxiway |                        |
| 5. Program Element<br>0216496M                                                   | 6. Category Code<br>11125                    | 7. Project Number<br>P222 | 8. Project Cost (\$000)<br>20,480                             |                        |
| <p><b>Blank Page</b></p>                                                         |                                              |                           |                                                               |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M67865<br>MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           | 4. Project Title<br>Airfield Security Improvements |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code<br>87210                    | 7. Project Number<br>P238 | 8. Project Cost (\$000)<br>11,500                  |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                    |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UM                                           | Quantity                  | Unit Cost                                          | Cost(\$000)            |
| AIRFIELD SECURITY IMPROVEMENTS<br>(24,606LF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | m                                            | 7,500                     |                                                    | 3,700                  |
| PERIMETER FENCE - BASE CC87210<br>(24,606LF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | m                                            | 7,500                     | 462.35                                             | (3,470)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                                    | (230)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                    | 6,660                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                    | (220)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                                    | (110)                  |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                                    | (6,330)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                    | 10,360                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                    | 520                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                    | 10,880                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                    | 620                    |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                    | 11,500                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                    | 11,500                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                    | 11,500                 |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                    |                        |
| <p>Project constructs a perimeter security fence with vehicle gates and swing arm barriers around the Marine Corps Air Station (MCAS) Miramar airfield perimeter.</p> <p>This project provides Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security in accordance with DOD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), which includes geospatial surveys and mapping.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Environmental mitigation includes contaminated soil removal, stormwater management during the site removal and restorations, and a by-pass system to divert the runoff during construction.</p> |                                              |                           |                                                    |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M67865<br>MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>Airfield Security Improvements |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6. Category Code<br>87210                    | 7. Project Number<br>P238 | 8. Project Cost (\$000)<br>11,500                  |                        |
| Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                    |                        |
| <b>11. Requirement:</b> <u>7,500 m</u> <b>Adequate:</b> <u>0 m</u> <b>Substandard:</b> <u>0 m</u><br><b>PROJECT:</b><br>Constructs airfield fence, motorized vehicle gates, pedestrian turnstiles, and associated utilities and will construct new patrol access roads to ensure that the flightline meets Level II security requirements.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>USMC airfields are identified as Level II restricted areas and must meet the associated physical security requirements. These requirements include clearly defined and protected perimeters and access control points. New hangars and other facilities proposed for the airfield in support of the F-35 will have Special Access Program Facilities (SAPF) spaces with additional physical security requirements. A Level II restricted area airfield will facilitate compliance with these standards.<br><b>CURRENT SITUATION:</b><br>The current MCAS Miramar airfield does not meet the physical security requirements for a Level II restricted area. Significant portions of the airfield security fence are in extremely poor condition, are too low and in need of replacement, and have numerous other deficiencies. Additionally, there are no AT/FP measures at the existing gates, along the fence leading off-base, or along the roads running perpendicular to the airfield security fence.<br><br>This project is not sited in the 100 year flood plain.<br><b>IMPACT IF NOT PROVIDED:</b><br>MCAS Miramar will not meet existing airfield security requirements outlined by current reports, guidance, and design criteria. A layered defense-in-depth is vital to protecting aircraft on the airfield.<br><br>Failure to construct this project compromises the safety and security of the aircraft based and operating at MCAS Miramar and would expose Marine aviation to a significant risk of mission failure in the event aircraft or hangars are damaged or destroyed by unauthorized intruders. |                                              |                           |                                                    |                        |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                    |                        |



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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M67865<br>MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>Airfield Security Improvements |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>87210                    | 7. Project Number<br>P238 | 8. Project Cost (\$000)<br>11,500                  |                        |
| <p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started 09/2016</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete 03/2017</p> <p>(C) Date design completed 01/2018</p> <p>(D) Percent completed as of September 2017 35%</p> <p>(E) Percent completed as of January 2018 100%</p> <p>(F) Type of design contract Design Bid Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy Study/Life Cycle Analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design No</p> <p>(B) Where design was previously used N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications \$698</p> <p>(B) All other design costs \$271</p> <p>(C) Total \$969</p> <p>(D) Contract \$114</p> <p>(E) In-house \$855</p> <p>4. Contract award: 12/2018</p> <p>5. Construction start: 01/2019</p> <p>6. Construction complete: 12/2020</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.</p> <p>Activity POC: Project Development Lead      Phone No: 858-577-1224</p> |                                              |                           |                                                    |                        |

|                                                                                  |                                              |                           |                                                    |                        |
|----------------------------------------------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M67865<br>MCAS MIRAMAR<br>MIRAMAR, CALIFORNIA |                                              |                           | 4. Project Title<br>Airfield Security Improvements |                        |
| 5. Program Element<br>0216496M                                                   | 6. Category Code<br>87210                    | 7. Project Number<br>P238 | 8. Project Cost (\$000)<br>11,500                  |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |      |      |              |                                                       |                      |                | 2. Date<br>05 FEB 2018              |     |                  |
| 3. Installation and Location: N69232<br>NAVBASE VENTURA CTY PT MUGU CA<br>POINT MUGU, CALIFORNIA                                                                                                                         |                                              |      |      |              | 4. Command<br>Commander Navy<br>Installations Command |                      |                | 5. Area Const<br>Cost Index<br>1.25 |     |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                         | PERMANENT                                    |      |      | STUDENTS     |                                                       |                      | SUPPORT        |                                     |     | TOTAL            |
|                                                                                                                                                                                                                          | OFF                                          | ENL  | CIV  | OFF          | ENL                                                   | CIV                  | OFF            | ENL                                 | CIV |                  |
|                                                                                                                                                                                                                          | 261                                          | 1293 | 2994 | 0            | 0                                                     | 0                    | 134            | 89                                  | 0   | 4771             |
|                                                                                                                                                                                                                          | 285                                          | 1319 | 2994 | 0            | 0                                                     | 0                    | 134            | 89                                  | 0   | 4821             |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                         |                                              |      |      |              |                                                       |                      |                |                                     |     |                  |
| A. TOTAL ACREAGE ..(4524 Acres)                                                                                                                                                                                          |                                              |      |      |              |                                                       |                      |                |                                     |     |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                     |                                              |      |      |              |                                                       |                      |                |                                     |     | 2,549,860        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                              |                                              |      |      |              |                                                       |                      |                |                                     |     | 52,686           |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                         |                                              |      |      |              |                                                       |                      |                |                                     |     | 22,150           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                     |                                              |      |      |              |                                                       |                      |                |                                     |     | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                             |                                              |      |      |              |                                                       |                      |                |                                     |     | 85,659           |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                            |                                              |      |      |              |                                                       |                      |                |                                     |     | 80,985           |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                              |                                              |      |      |              |                                                       |                      |                |                                     |     | <b>2,791,340</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                    |                                              |      |      |              |                                                       |                      |                |                                     |     |                  |
| <u>Cat</u>                                                                                                                                                                                                               |                                              |      |      |              |                                                       | <u>Design Status</u> |                | <u>Cost</u>                         |     |                  |
| <u>Code</u>                                                                                                                                                                                                              | <u>Project Title</u>                         |      |      | <u>Start</u> | <u>Complete</u>                                       | <u>Scope</u>         | <u>(\$000)</u> |                                     |     |                  |
| 31530                                                                                                                                                                                                                    | Directed Energy Systems<br>Intergration Lab  |      |      | 11/2016      | 09/2019                                               | 1755 m2              | 22,150         |                                     |     |                  |
| TOTAL                                                                                                                                                                                                                    |                                              |      |      |              |                                                       |                      |                | 22,150                              |     |                  |
| 9. Future Projects:                                                                                                                                                                                                      |                                              |      |      |              |                                                       |                      |                |                                     |     |                  |
| A. Included In The Following Program:                                                                                                                                                                                    |                                              |      |      |              |                                                       |                      |                |                                     |     |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                       |                                              |      |      |              |                                                       |                      |                |                                     |     |                  |
| 21105 Triton Forward Operating Base 3rd Fleet                                                                                                                                                                            |                                              |      |      |              |                                                       |                      |                |                                     |     | 55,809           |
| 21410 Combat Vehicle Maintenance Facility                                                                                                                                                                                |                                              |      |      |              |                                                       |                      |                |                                     |     | 29,850           |
| TOTAL                                                                                                                                                                                                                    |                                              |      |      |              |                                                       |                      |                |                                     |     | 85,659           |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                     |                                              |      |      |              |                                                       |                      |                |                                     |     | 1,364,853        |
| 10. Mission or Major Functions:                                                                                                                                                                                          |                                              |      |      |              |                                                       |                      |                |                                     |     |                  |
| Naval Base Ventura County is a major aviation shore command and a major Naval Construction Force mobilization base providing airfield, seaport and base support services to fleet operating forces and shore activities. |                                              |      |      |              |                                                       |                      |                |                                     |     |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                               |                                              |      |      |              |                                                       |                      |                |                                     |     |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                               |                                              |      |      |              |                                                       |                      |                |                                     |     | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                               |                                              |      |      |              |                                                       |                      |                |                                     |     | 0                |

|                                                                                                  |                                                       |                                     |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N69232<br>NAVBASE VENTURA CTY PT MUGU CA<br>POINT MUGU, CALIFORNIA | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.25 |

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| 1. Component<br>NAVY                                                                                                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N69232<br>NAVBASE VENTURA CTY PT MUGU CA<br>POINT MUGU, CALIFORNIA                                                               |                                              |                           | 4. Project Title<br>Directed Energy Systems<br>Integration Lab |                        |
| 5. Program Element<br>0816376N                                                                                                                                      | 6. Category Code<br>31530                    | 7. Project Number<br>P777 | 8. Project Cost (\$000)<br>22,150                              |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                            |                                              |                           |                                                                |                        |
| Item                                                                                                                                                                | UM                                           | Quantity                  | Unit Cost                                                      | Cost(\$000)            |
| DIRECTED ENERGY SYSTEMS<br>INTEGRATION LAB (18,892SF)                                                                                                               | m2                                           | 1,755.14                  |                                                                | 15,120                 |
| WEAPONS SYSTEMS INTEGRATION<br>LAB CC31530 (18,892SF)                                                                                                               | m2                                           | 1,755.14                  | 8,118.99                                                       | (14,250)               |
| BUILT-IN EQUIPMENT                                                                                                                                                  | LS                                           |                           |                                                                | (500)                  |
| SPECIAL COSTS                                                                                                                                                       | LS                                           |                           |                                                                | (190)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                         | LS                                           |                           |                                                                | (180)                  |
| SUPPORTING FACILITIES                                                                                                                                               |                                              |                           |                                                                | 4,150                  |
| PAVEMENT FACILITIES                                                                                                                                                 | LS                                           |                           |                                                                | (610)                  |
| SPECIAL FOUNDATION FEATURES                                                                                                                                         | LS                                           |                           |                                                                | (170)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                        | LS                                           |                           |                                                                | (760)                  |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                                                  | LS                                           |                           |                                                                | (340)                  |
| ELECTRICAL UTILITIES                                                                                                                                                | LS                                           |                           |                                                                | (350)                  |
| MECHANICAL UTILITIES                                                                                                                                                | LS                                           |                           |                                                                | (210)                  |
| ENVIRONMENTAL MITIGATION                                                                                                                                            | LS                                           |                           |                                                                | (840)                  |
| DEMOLITION                                                                                                                                                          | LS                                           |                           |                                                                | (870)                  |
| SUBTOTAL                                                                                                                                                            |                                              |                           |                                                                | 19,270                 |
| CONTINGENCY (5%)                                                                                                                                                    |                                              |                           |                                                                | 960                    |
| TOTAL CONTRACT COST                                                                                                                                                 |                                              |                           |                                                                | 20,230                 |
| SIOH (5.7%)                                                                                                                                                         |                                              |                           |                                                                | 1,150                  |
| SUBTOTAL                                                                                                                                                            |                                              |                           |                                                                | 21,380                 |
| DESIGN/BUILD - DESIGN COST                                                                                                                                          |                                              |                           |                                                                | 770                    |
| TOTAL REQUEST ROUNDED                                                                                                                                               |                                              |                           |                                                                | 22,150                 |
| TOTAL REQUEST                                                                                                                                                       |                                              |                           |                                                                | 22,150                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                    |                                              |                           |                                                                | (2,101)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                    |                                              |                           |                                                                |                        |
| Constructs two buildings for the Directed Energy Laser Program: a weapons test and evaluation (T&E) facility and a separate land-based calibration target facility. |                                              |                           |                                                                |                        |
| The T&E facility will be a multi-story reinforced concrete masonry building on pile foundations with structural steel framing, reinforced masonry                   |                                              |                           |                                                                |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                                |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N69232<br>NAVBASE VENTURA CTY PT MUGU CA<br>POINT MUGU, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>Directed Energy Systems<br>Integration Lab |                        |
| 5. Program Element<br>0816376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>31530                    | 7. Project Number<br>P777 | 8. Project Cost (\$000)<br>22,150                              |                        |
| <p>walls, reinforced concrete foundation and floors and roof decks. The facility will include administrative space, four modular secure laboratory spaces with raised computer flooring, a high bay area with crane rails and a crane, a three-stop passenger/freight elevator and a roof top laser test area.</p> <p>The land-based calibration target facility will consist of a concrete masonry building on pile foundations. The target will include a roll-up door; heating, ventilation and air-conditioning; power and communication lines.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes an overhead crane (25-ton) and an elevator (3-stop).</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and the construction of this project as appropriate.</p> <p>Environmental mitigation includes unexploded ordnance mitigation.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in the DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> <p>This project is sited in the 100-year flood plain. The facility needs to be in proximity to the Sea Test Range and have the ability to integrate with command/control systems at NSWC PHD SWEF at Port Hueneme. The ground floor of the weapons integration laboratory will be elevated to two-feet above the high-water level of a projected 100-year flood.</p> |                                              |                           |                                                                |                        |



| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                                         |                                                                | 2. Date<br>05 FEB 2018 |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |
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| 3. Installation(SA)& Location/UIC: N69232<br>NAVBASE VENTURA CTY PT MUGU CA<br>POINT MUGU, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                                         | 4. Project Title<br>Directed Energy Systems<br>Integration Lab |                        |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |
| 5. Program Element<br>0816376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Category Code<br>31530                    | 7. Project Number<br>P777               | 8. Project Cost (\$000)<br>22,150                              |                        |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |
| (G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed Yes<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used N/A<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$440<br>(B) All other design costs \$670<br>(C) Total \$1,110<br>(D) Contract \$720<br>(E) In-house \$390<br>4. Contract award: 03/2019<br>5. Construction start: 08/2019<br>6. Construction complete: 07/2021<br>B. Equipment associated with this project which will be provided from<br>other appropriations:<br><table border="1"> <thead> <tr> <th><u>Equipment</u><br/><u>Nomenclature</u></th> <th><u>Procuring</u><br/><u>Approp</u></th> <th><u>FY Approp</u><br/><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Crane</td> <td>RDT&amp;E</td> <td>2020</td> <td>100</td> </tr> <tr> <td>Furniture, Fixtures and Equipment</td> <td>OPN</td> <td>2020</td> <td>1,226</td> </tr> <tr> <td>Information Technology</td> <td>OPN</td> <td>2020</td> <td>375</td> </tr> <tr> <td>Security Systems and Equipment</td> <td>OPN</td> <td>2020</td> <td>225</td> </tr> <tr> <td>Telecommunications</td> <td>OPN</td> <td>2020</td> <td>175</td> </tr> </tbody> </table> |                                              |                                         |                                                                |                        | <u>Equipment</u><br><u>Nomenclature</u> | <u>Procuring</u><br><u>Approp</u> | <u>FY Approp</u><br><u>or Requested</u> | <u>Cost (\$000)</u> | Crane | RDT&E | 2020 | 100 | Furniture, Fixtures and Equipment | OPN | 2020 | 1,226 | Information Technology | OPN | 2020 | 375 | Security Systems and Equipment | OPN | 2020 | 225 | Telecommunications | OPN | 2020 | 175 |
| <u>Equipment</u><br><u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u>Procuring</u><br><u>Approp</u>            | <u>FY Approp</u><br><u>or Requested</u> | <u>Cost (\$000)</u>                                            |                        |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |
| Crane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RDT&E                                        | 2020                                    | 100                                                            |                        |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OPN                                          | 2020                                    | 1,226                                                          |                        |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |
| Information Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OPN                                          | 2020                                    | 375                                                            |                        |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |
| Security Systems and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OPN                                          | 2020                                    | 225                                                            |                        |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |
| Telecommunications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | OPN                                          | 2020                                    | 175                                                            |                        |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for<br>joint use potential. Unilateral Construction is recommended. This<br>facility can be used by other components on an as available basis; however,<br>the scope of the project is based on Department of the Navy requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                                         |                                                                |                        |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |
| Activity POC: Project Development Lead      Phone No: 805-989-1927                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                         |                                                                |                        |                                         |                                   |                                         |                     |       |       |      |     |                                   |     |      |       |                        |     |      |     |                                |     |      |     |                    |     |      |     |



|                                                                                                                                                                                                                                                             |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------|---------|-----------------|-------------------------------------------------------|----------------------|----------------|-------------------------------------|-----|-------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |              |         |                 |                                                       |                      |                | 2. Date<br>05 FEB 2018              |     |       |
| 3. Installation and Location: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                                                                                                                                                                          |                                              |              |         |                 | 4. Command<br>Commander Navy<br>Installations Command |                      |                | 5. Area Const<br>Cost Index<br>1.19 |     |       |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                            | PERMANENT                                    |              |         | STUDENTS        |                                                       |                      | SUPPORT        |                                     |     | TOTAL |
|                                                                                                                                                                                                                                                             | OFF                                          | ENL          | CIV     | OFF             | ENL                                                   | CIV                  | OFF            | ENL                                 | CIV |       |
|                                                                                                                                                                                                                                                             | 2200                                         | 17708        | 4980    | 0               | 240                                                   | 0                    | 142            | 1164                                | 0   | 26434 |
|                                                                                                                                                                                                                                                             | 2199                                         | 17953        | 4980    | 0               | 240                                                   | 0                    | 175            | 1582                                | 0   | 27129 |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                            |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| A. TOTAL ACREAGE ..(2667 Acres)                                                                                                                                                                                                                             |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| B. INVENTORY AS OF 30 SEP 2017 ..... 8,996,491                                                                                                                                                                                                              |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| C. AUTHORIZATION NOT YET IN INVENTORY ..... 84,476                                                                                                                                                                                                          |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM ..... 156,540                                                                                                                                                                                                    |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ..... 0                                                                                                                                                                                                      |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| F. PLANNED IN NEXT THREE PROGRAM YEARS ..... 0                                                                                                                                                                                                              |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| G. REMAINING DEFICIENCY ..... 1,387,946                                                                                                                                                                                                                     |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| H. <b>GRAND TOTAL</b> ..... <b>10,625,453</b>                                                                                                                                                                                                               |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| 8. Projects Requested In This Program                                                                                                                                                                                                                       |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| <u>Cat</u>                                                                                                                                                                                                                                                  |                                              |              |         |                 |                                                       | <u>Design Status</u> |                | <u>Cost</u>                         |     |       |
| <u>Code</u>                                                                                                                                                                                                                                                 | <u>Project Title</u>                         | <u>Start</u> |         | <u>Complete</u> |                                                       | <u>Scope</u>         | <u>(\$000)</u> |                                     |     |       |
| 81330                                                                                                                                                                                                                                                       | Harbor Drive Switching Station               | 09/2016      | 07/2018 |                 |                                                       | 0 LS                 | 48,440         |                                     |     |       |
| 15120                                                                                                                                                                                                                                                       | Pier 8 Replacement                           | 09/2016      | 03/2019 |                 |                                                       | 17398 m2             | 108,100        |                                     |     |       |
|                                                                                                                                                                                                                                                             |                                              |              |         |                 |                                                       |                      | TOTAL          | 156,540                             |     |       |
| 9. Future Projects:                                                                                                                                                                                                                                         |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| A. Included In The Following Program:                                                                                                                                                                                                                       |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                          |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| C. R&M Unfunded Requirement (\$000): 1,139,480                                                                                                                                                                                                              |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| 10. Mission or Major Functions:                                                                                                                                                                                                                             |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| Provide homeport facilities for warships, amphibious ships, and auxiliaries of the Pacific Fleet. Provide harbor and waterfront facilities, exchange, personnel support, athletic, recreational, berthing, messing, morale, and other logistics facilities. |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                  |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| A. Pollution Abatement(*): 0                                                                                                                                                                                                                                |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |
| B. Occupational Safety and Health(OSH)(#): 0                                                                                                                                                                                                                |                                              |              |         |                 |                                                       |                      |                |                                     |     |       |

|                                                                                    |                                                       |                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.19 |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                                                                                                                                                                                       |                                              |                            | 4. Project Title<br>Harbor Drive Switching Station |                        |
| 5. Program Element<br>0702776N                                                                                                                                                                                                                                                | 6. Category Code<br>81330                    | 7. Project Number<br>P0888 | 8. Project Cost (\$000)<br>48,440                  |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                      |                                              |                            |                                                    |                        |
| Item                                                                                                                                                                                                                                                                          | UM                                           | Quantity                   | Unit Cost                                          | Cost(\$000)            |
| HARBOR DRIVE SWITCHING STATION                                                                                                                                                                                                                                                | LS                                           |                            |                                                    | 35,980                 |
| HDSS UTILITY BUILDING CC81310<br>(1,604SF)                                                                                                                                                                                                                                    | m2                                           | 149                        | 6,224.56                                           | (930)                  |
| UNDERGROUND ELECTRICAL<br>DISTRIBUTION LINE CC81232<br>(25,200LF)                                                                                                                                                                                                             | m                                            | 7,681                      | 2,094.16                                           | (16,090)               |
| HARBOR DRIVE SWITCHING STATION<br>CC81330 (12KV)                                                                                                                                                                                                                              | KV                                           | 12                         | 659,862.6                                          | (7,920)                |
| SECONDARY SUBSTATIONS CC81320<br>(2,000KV)                                                                                                                                                                                                                                    | KV                                           | 2,000                      | 389.96                                             | (780)                  |
| SWITCHING STATION B CC81330                                                                                                                                                                                                                                                   | EA                                           | 1                          | 2,878,800.31                                       | (2,880)                |
| SWITCHING STATION A CC81330                                                                                                                                                                                                                                                   | EA                                           | 1                          | 3,345,079.91                                       | (3,350)                |
| ELECT CONVERSION PLANT CC89009<br>(5,382SF) (RENOVATE)                                                                                                                                                                                                                        | m2                                           | 500                        | 2,373.41                                           | (1,190)                |
| PIER 1 SWITCH SKIDS CC81320                                                                                                                                                                                                                                                   | EA                                           | 2                          | 922,663.29                                         | (1,850)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                 | LS                                           |                            |                                                    | (640)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                   | LS                                           |                            |                                                    | (350)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                         |                                              |                            |                                                    | 7,670                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                             | LS                                           |                            |                                                    | (1,450)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                  | LS                                           |                            |                                                    | (2,140)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                          | LS                                           |                            |                                                    | (620)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                          | LS                                           |                            |                                                    | (60)                   |
| DEMOLITION                                                                                                                                                                                                                                                                    | LS                                           |                            |                                                    | (3,400)                |
| SUBTOTAL                                                                                                                                                                                                                                                                      |                                              |                            |                                                    | 43,650                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                              |                                              |                            |                                                    | 2,180                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                           |                                              |                            |                                                    | 45,830                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                   |                                              |                            |                                                    | 2,610                  |
| SUBTOTAL                                                                                                                                                                                                                                                                      |                                              |                            |                                                    | 48,440                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                         |                                              |                            |                                                    | 48,440                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                 |                                              |                            |                                                    | 48,440                 |
| <b>10. Description of Proposed Construction:</b><br>Converts existing Building #148 to an electrical switching station building. The project includes demolition of abandoned in-place compressed air distribution system equipment, piping, and interior and exterior tanks; |                                              |                            |                                                    |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                            |                                                    |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                            | 4. Project Title<br>Harbor Drive Switching Station |                        |
| 5. Program Element<br>0702776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6. Category Code<br>81330                    | 7. Project Number<br>P0888 | 8. Project Cost (\$000)<br>48,440                  |                        |
| <p>replaces metal roofing system; replaces interior power supply and lighting system; replaces roof and wall exhaust vent system; upgrades structure to comply with current seismic zone standards; fills in concrete floor cavities; prepares existing concrete floor ready to pour-in-place equipment pad; repairs and repaints interior and exterior walls; replaces existing door openings (personnel and roll-up) to include locks, provides an eyewash station, and replaces electrical wiring and lighting system to energy efficient system.</p> <p>Relocates and upgrades switching station to accommodate the required capacity for power intensive ships and ship loading growth. Electrical components of the new Harbor Drive Switching Station (HDSS) includes, switchgears with voltage circuit breakers, busses, underground primary and secondary cabling, protective relaying, power system automation communication line, communication line for Supervisory Control and Data Acquisition (SCADA) System connected to the head-end equipment, smart meters, lighting and other associated electrical appurtenances.</p> <p>Relocates existing outdoor secondary unit substation to the new site of HDSS. Replaces an existing secondary unit substation adjacent to the existing Building #148. Each substation will include a smart meter and will be enclosed with a concrete masonry unit block wall with a chain link fabric gate to include equipment pad with containment.</p> <p>Constructs an underground electrical distribution line and trenches and backfills for feeder lines (primary and secondary) duct bank and cable run, excavates for electrical manholes and/or hand holes, and installs underground 12 KV feeder line to provide direct connection from South Cummings Substation to the new HDSS and to the Pier switching stations and unit substations.</p> <p>Project will construct a wall supporting open web steel joist and metal roof deck, low slope roofing with gutters and downspouts, metal door with access control, steel overhead roll-up doors and epoxy coated concrete slab floor.</p> <p>Co-locates switching stations A and B in the existing Conversion Plant Building #148.</p> <p>Replaces two switch skids on Pier 1 with a padmount switch.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features</p> |                                              |                            |                                                    |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                            |                                                    |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                            | 4. Project Title<br>Harbor Drive Switching Station |                        |
| 5. Program Element<br>0702776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>81330                    | 7. Project Number<br>P0888 | 8. Project Cost (\$000)<br>48,440                  |                        |
| <p>and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes excavation/grading, contaminated soil removal, site clearing and pavement demolition for construction of new HDSS.</p> <p>Paving and site improvements include curbs, gutters, sidewalks, landscaping, storm water drainage improvements, fencing, paving for road access and contaminated soil removal.</p> <p>Demolition includes the removal of structure #3003 (279 m2), structure #184ASUB (500KVA secondary unit substation), structure #3277 (switching station B), and structure #204463 (switching station A). Structures #3003, #184ASUB, #3277 and #204463 will be demolished upon completion of this project. The existing switching stations and secondary unit substation cannot be taken offline until replacement facility is complete and fully operational.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                            |                                                    |                        |
| <b>11. Requirement:</b> <b>Adequate:</b> <b>Substandard:</b><br><b>PROJECT:</b><br>Upgrades waterfront switching stations and associated feeder cable and conduit duct bank. Project also constructs new feeder distribution cable and conduit duct bank to provide direct connection between Cummings Substation and HDSS and other switching stations at the waterfront area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                            |                                                    |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                            | 4. Project Title<br>Harbor Drive Switching Station |                        |
| 5. Program Element<br>0702776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code<br>81330                    | 7. Project Number<br>P0888 | 8. Project Cost (\$000)<br>48,440                  |                        |
| <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>To provide adequate and reliable electrical distribution to accommodate current and future electrical loading. Replacement of electrical distribution system components is required to provide reliable electric service for base operations to function. Project will support future upgrades of Piers 2, 6 and 8 to 4160 volts. Pier upgrades are necessary to support future arrival of more power intensive ships at Naval Base San Diego.</p> <p>NB San Diego homeported ship loading will increase by over twenty ships in the next five years.</p> <p><b>CURRENT SITUATION:</b></p> <p>The existing HDSS was built in 1947 and currently serves as a distribution location for four stations, which in turn serve five waterfront piers and one dry dock. HDSS is obsolete, has exceeded its useful service life, and is visibly deteriorating and showing signs of corrosion. Many integral parts are antiquated, unreliable, failing, and require frequent maintenance, presenting increased hazardous working conditions for electrical technicians. The backup electrical capacity for HDSS is derived from the local (commercial) utility, is currently insufficient and has no redundancy. The current location of HDSS is already overcrowded with underground distribution lines, making reutilization of the site difficult without an extensive electrical outage. HDSS cannot take on additional loading.</p> <p>Switching Station A is housed within Building #148A (built in 1980) and currently serves as a distribution location for Pier 1 and houses equipment for an abandoned compressed air system. Switching Station B is pad-mounted outdoor equipment (built in 1970) and serves as a distribution location for Pier 2. Both switching stations are obsolete, have exceeded useful service lives, are visibly deteriorating and showing signs of corrosion. A recent failure in March 2015 caused electrical power outage throughout the north side of NB San Diego affecting multiple buildings and Piers 1 and 2.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Interruption to shore power will prevent ships to berth and force them to berth at other piers. Additionally, this will result in a non-operational FAA aviation light at the top of the high mast light, impact the piers security cameras and SCADA Control/monitoring alarm system, and impact the waste water/oily waste station pumps on the piers. If the pier loses power,</p> |                                              |                            |                                                    |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                    | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| 3. Installation(SA)& Location/UIC: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                            | 4. Project Title<br>Harbor Drive Switching Station |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| 5. Program Element<br>0702776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>81330                    | 7. Project Number<br>P0888 | 8. Project Cost (\$000)<br>48,440                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| <p>a MUSE generator will have to be purchased or rented to support the ship-to-shore requirements and will require a yearly air permit.</p> <p>Operationally, berthing at other piers will impact the number of ships berthed and not meet the requirement of the Ship loading Dispersal.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2016</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>06/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>07/2018</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>15%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>55%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td>N/A</td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$2,900</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$1,450</td> </tr> <tr> <td>(C) Total</td> <td>\$4,350</td> </tr> <tr> <td>(D) Contract</td> <td>\$3,510</td> </tr> <tr> <td>(E) In-house</td> <td>\$840</td> </tr> </table> <p>4. Contract award: 12/2018</p> <p>5. Construction start: 02/2019</p> <p>6. Construction complete: 11/2020</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p><b>JOINT USE CERTIFICATION:</b></p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.</p> <p>Activity POC: Project Development Lead      Phone No: 619-556-0601</p> |                                              |                            |                                                    |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 06/2017 | (C) Date design completed | 07/2018 | (D) Percent completed as of September 2017 | 15% | (E) Percent completed as of January 2018 | 55% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | No | (A) Standard or Definitive Design | No | (B) Where design was previously used | N/A | (A) Production of plans and specifications | \$2,900 | (B) All other design costs | \$1,450 | (C) Total | \$4,350 | (D) Contract | \$3,510 | (E) In-house | \$840 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 09/2016                                      |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 06/2017                                      |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 07/2018                                      |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15%                                          |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 55%                                          |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Bid Build                             |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                          |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No                                           |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                           |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N/A                                          |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$2,900                                      |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$1,450                                      |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$4,350                                      |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$3,510                                      |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$840                                        |                            |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |       |

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|-----------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA |                                              |                            | 4. Project Title<br>Harbor Drive Switching Station |                        |
| 5. Program Element<br>0702776N                                                          | 6. Category Code<br>81330                    | 7. Project Number<br>P0888 | 8. Project Cost (\$000)<br>48,440                  |                        |
| <p><b>Blank Page</b></p>                                                                |                                              |                            |                                                    |                        |



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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                        | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                    |                                              |                           | 4. Project Title<br>Pier 8 Replacement |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>15120                    | 7. Project Number<br>P440 | 8. Project Cost (\$000)<br>108,100     |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                        |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                       | UM                                           | Quantity                  | Unit Cost                              | Cost(\$000)            |
| PIER 8 REPLACEMENT (187,268SF)                                                                                                                                                                                                                                                                                                                                                                                             | m2                                           | 17,397.77                 |                                        | 72,800                 |
| GENERAL PURPOSE BERTHING PIER<br>CC15120 (187,268SF)                                                                                                                                                                                                                                                                                                                                                                       | m2                                           | 17,397.77                 | 3,956.82                               | (68,840)               |
| INFORMATION SYSTEMS                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                        | (1,090)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                        | (930)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                        | (500)                  |
| SUSTAINABILITY AND ENERGY<br>FEATURES                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                        | (1,440)                |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                        | 21,210                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                        | (570)                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                        | (1,120)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                        | (220)                  |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                        | (1,510)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                        | (5,160)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                        | (750)                  |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                        | (80)                   |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                        | (11,800)               |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                        | 94,010                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                        | 4,700                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                        | 98,710                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                        | 5,630                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                        | 104,340                |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                        | 3,760                  |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                        | 108,100                |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                        | 108,100                |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                        | (2,825)                |
| <b>10. Description of Proposed Construction:</b><br>Constructs a pile supported reinforced concrete pier to replace existing Pier 8. Deck provides capacity for a 181 metric ton crane. The pier includes primary and secondary fenders, and new loadout ramp cradles on the quaywall on each side. Utilities include electrical, potable water, sanitary sewer, compressed air, oily waste and compensating ballast water |                                              |                           |                                        |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                        | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>Pier 8 Replacement |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>15120                    | 7. Project Number<br>P440 | 8. Project Cost (\$000)<br>108,100     |                        |
| <p>collection systems.</p> <p>Information systems include communications vault on pier and supporting shore-to-pier trench.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special construction features includes the pile foundation for the cradles and the quaywall modifications.</p> <p>Site preparation includes site clearing, trenching, excavation and preparation for construction.</p> <p>Anti-terrorism/Force protection features outside measures include security crash gate and fencing, pedestrian turnstile, watch tower, guard house and high mast lighting.</p> <p>Electrical utilities include underground distribution lines from shoreside to pier including switching station, primary and secondary distribution systems, telephone, coaxial and fiber optic communications, supervisory control and data acquisitions systems for energy monitoring and control, and fire alarm system.</p> <p>Project will demolish Structure #358 (8,952 m2), Pier 8, to clear site for this project.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> <p>This project is sited on the waterfront on San Diego bay. The pier deck</p> |                                              |                           |                                        |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                        | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>Pier 8 Replacement |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>15120                    | 7. Project Number<br>P440 | 8. Project Cost (\$000)<br>108,100     |                        |
| <p>will be constructed such that its elevation will be above any projected high tides and tidal surges to ensure that deck itself and the pier utilities network will not be damaged by sea water.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                        |                        |
| <p><b>11. Requirement:</b> <u>17,398 m2</u> <b>Adequate:</b> <b>Substandard:</b></p> <p><b>PROJECT:</b><br/>Replaces Pier 8.<br/><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b><br/>The new Pier 8 shall provide four ship berths capable of supporting the mix of Pacific Fleet ships.</p> <p><b>CURRENT SITUATION:</b><br/>Pier 8 is inadequate based on age, condition and operational constraints.</p> <p>Pier 8 was constructed in 1945 and is not compliant with current structural or seismic criteria.</p> <p>The pier experiences reduced operating capacity due to multiple deficiencies including inadequate utilities, structural deterioration, load restrictions and inadequate deck width. Utilities on the pier are in poor condition resulting in interruption to services including electrical, potable water, sanitary sewer, compressed air and steam. There is concrete spalling in numerous locations above and below deck, on the bottom of the pile caps and along the top of the concrete bearing piles. Concrete curbs on the deck edges are cracked and broken in many areas and sections of corroded steel reinforcement are exposed, creating unsafe working conditions to personnel, especially during berthing operations. The maximum crane loading restricted Pier 8 to 35-60 ton cranes in limited areas of the pier, with specific outrigger placement, and limited forklifts to 6000 lb. capacity. The current width of the pier restricts truck and mobile crane operations. Current conditions limit those ships which can berth at the pier.</p> <p><b>IMPACT IF NOT PROVIDED:</b><br/>Limited crane use and maintenance laydown area on Pier 8 NBSD does not properly support berthing of current home ported ships.</p> <p>Concrete spalling above deck will continue to pose unsafe working conditions, especially during berthing operations.</p> <p>Spalling on the pier's underdeck and pile caps will continue to limit the pier's structural integrity.</p> |                                              |                           |                                        |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                        | 2. Date<br>05 FEB 2018 |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------|------------------------|------------------|------------------|------------------|---------------------|---------------------|---------------|---------------------|--|----------------------|-----|------|-------|-------------------------------------------------|-----|------|----|-------------------------------------|-----|------|-----|
| 3. Installation(SA)& Location/UIC: N00245<br>NAVBASE SAN DIEGO<br>SAN DIEGO, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>Pier 8 Replacement |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Category Code<br>15120                    | 7. Project Number<br>P440 | 8. Project Cost (\$000)<br>108,100     |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |
| Pier hardware, including mooring cleats and double-bitts, will continue to deteriorate, resulting in diminishing capacity and unreliable service, placing personnel and property at risk of mishaps.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                        |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 09/2016<br>(B) Date 35% Design or Parametric Cost Estimate complete 09/2017<br>(C) Date design completed 04/2019<br>(D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 15%<br>(F) Type of design contract Design Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed Yes<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used N/A<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$2,162<br>(B) All other design costs \$3,243<br>(C) Total \$5,405<br>(D) Contract \$3,513<br>(E) In-house \$1,892<br>4. Contract award: 12/2018<br>5. Construction start: 06/2019<br>6. Construction complete: 09/2021<br>B. Equipment associated with this project which will be provided from other appropriations:<br><table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Procuring</u></th> <th style="text-align: center;"><u>FY Approp</u></th> <th style="text-align: right;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: center;"><u>Approp</u></th> <th style="text-align: center;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2019</td> <td style="text-align: right;">2,160</td> </tr> <tr> <td>Modify Existing Floating Barrier System (N3-AT)</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2017</td> <td style="text-align: right;">65</td> </tr> <tr> <td>Physical Security Equipment (N3-AT)</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2019</td> <td style="text-align: right;">600</td> </tr> </tbody> </table> |                                              |                           |                                        |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> | <u>Cost (\$000)</u> | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> |  | Collateral Equipment | OPN | 2019 | 2,160 | Modify Existing Floating Barrier System (N3-AT) | OPN | 2017 | 65 | Physical Security Equipment (N3-AT) | OPN | 2019 | 600 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>Procuring</u>                             | <u>FY Approp</u>          | <u>Cost (\$000)</u>                    |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u>Approp</u>                                | <u>or Requested</u>       |                                        |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |
| Collateral Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | OPN                                          | 2019                      | 2,160                                  |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |
| Modify Existing Floating Barrier System (N3-AT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OPN                                          | 2017                      | 65                                     |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |
| Physical Security Equipment (N3-AT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OPN                                          | 2019                      | 600                                    |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |
| <b>JOINT USE CERTIFICATION:</b><br>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                        |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |
| Activity POC: Project Development Lead      Phone No: 619-556-0601                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                        |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |       |                                                 |     |      |    |                                     |     |      |     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |              |                                                       |             |     |                                     |     |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|-----------------|--------------|-------------------------------------------------------|-------------|-----|-------------------------------------|-----|----------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |                 |              |                                                       |             |     | 2. Date<br>05 FEB 2018              |     |                |
| 3. Installation and Location: N69232<br>NAVBASE VENTURA CTY PT MUGU CA<br>SAN NICOLAS ISLAND, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |              | 4. Command<br>Commander Navy<br>Installations Command |             |     | 5. Area Const<br>Cost Index<br>1.71 |     |                |
| 6. Personnel<br>Strength:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              | PERMANENT            |                 |              | STUDENTS                                              |             |     | SUPPORT                             |     | TOTAL          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              | OFF                  | ENL             | CIV          | OFF                                                   | ENL         | CIV | OFF                                 | ENL | CIV            |
| A. As Of 09-30-17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              | 261                  | 1293            | 2994         | 0                                                     | 0           | 0   | 134                                 | 89  | 0              |
| B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              | 285                  | 1319            | 2994         | 0                                                     | 0           | 0   | 134                                 | 89  | 0              |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |                 |              |                                                       |             |     |                                     |     |                |
| A. TOTAL ACREAGE ..(13370 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |                 |              |                                                       |             |     |                                     |     |                |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |                 |              |                                                       |             |     |                                     |     | 550,247        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                      |                 |              |                                                       |             |     |                                     |     | 52,686         |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |                 |              |                                                       |             |     |                                     |     | 31,010         |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |                 |              |                                                       |             |     |                                     |     | 0              |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |              |                                                       |             |     |                                     |     | 12,025         |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |              |                                                       |             |     |                                     |     | 28,874         |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                      |                 |              |                                                       |             |     |                                     |     | <b>674,842</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |                 |              |                                                       |             |     |                                     |     |                |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              | <u>Design Status</u> |                 |              |                                                       | <u>Cost</u> |     |                                     |     |                |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u>Project Title</u>                         | <u>Start</u>         | <u>Complete</u> | <u>Scope</u> | <u>(\$000)</u>                                        |             |     |                                     |     |                |
| 21230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Missile Assembly Build & High Explosive Mag  | 06/2015              | 03/2019         | 1663 m2      | 31,010                                                |             |     |                                     |     |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |              | TOTAL                                                 | 31,010      |     |                                     |     |                |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |                 |              |                                                       |             |     |                                     |     |                |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |                 |              |                                                       |             |     |                                     |     |                |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |              |                                                       |             |     |                                     |     |                |
| 37115 Maritime Directed Energy Test Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |              |                                                       |             |     |                                     |     | 12,025         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |              |                                                       |             |     |                                     |     | TOTAL          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |              |                                                       |             |     |                                     |     | 12,025         |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |                 |              |                                                       |             |     |                                     |     | 1,364,853      |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |              |                                                       |             |     |                                     |     |                |
| Naval Base Ventura County (NBVC) is a premier naval installation composed of three operating facilities - Point Mugu, Port Hueneme and San Nicolas Island. NBVC supports approximately 80 tenant commands with a base population of more than 19,000 personnel. Tenant commands encompass an extremely diverse set of specialties that support both Fleet and Fighter, including three warfare centers: Naval Air Warfare Center Weapons Division, Naval Surface Warfare Center Port Hueneme Division and Naval Facilities Engineering and Expeditionary Warfare Center. NBVC is also home to deployable units, including the Pacific Seabees and the West Coast E-2C Hawkeyes. |                                              |                      |                 |              |                                                       |             |     |                                     |     |                |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |              |                                                       |             |     |                                     |     |                |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |              |                                                       |             |     |                                     |     | 0              |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |              |                                                       |             |     |                                     |     | 0              |

|                                                                                                          |                                                       |                                     |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N69232<br>NAVBASE VENTURA CTY PT MUGU CA<br>SAN NICOLAS ISLAND, CALIFORNIA | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.71 |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N69232(AD)<br>NAVBASE VENTURA CTY PT MUGU CA<br>(SAN NICOLAS ISLAND)<br>SAN NICOLAS ISLAND, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           | 4. Project Title<br>Missile Assembly Build & High<br>Explosive Mag |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6. Category Code<br>21230                    | 7. Project Number<br>P586 | 8. Project Cost (\$000)<br>31,010                                  |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                                    |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | UM                                           | Quantity                  | Unit Cost                                                          | Cost(\$000)            |
| MISSILE ASSEMBLY BUILD & HIGH<br>EXPLOSIVE MAG (17,904SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | m2                                           | 1,663.37                  |                                                                    | 19,440                 |
| MISSILE ASSEMBLY BUILDING<br>CC21230 (8,304SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | m2                                           | 771.47                    | 12,937.96                                                          | (9,980)                |
| EARTH COVERED MISSILE MAGAZINE<br>CC42172 (9,600SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | m2                                           | 891.9                     | 5,936.74                                                           | (5,290)                |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                                                    | (2,270)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                                                    | (1,710)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                                    | (190)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                                    | 8,500                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                                                    | (540)                  |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                                    | (980)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                                    | (1,710)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                                    | (3,870)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                                    | (1,310)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                                                    | (90)                   |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                                    | 27,940                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                    | 1,400                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                                    | 29,340                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                                    | 1,670                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                                    | 31,010                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                                    | 31,010                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                                    | 31,010                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                    | (6,131)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                    |                        |
| <p>Constructs a missile assembly and test building (MATB) to support the supersonic missile test and evaluation (T&amp;E) and Fleet anti-ships cruise missile (ASCM) threat training and certification on the Navy Sea Range. Project includes a concrete foundation and floor, insulated walls of concrete masonry units with fiberglass siding. The MATB facility provides space for missile section buildup, horizontal assembly, disassembly and checkout including equipment section buildup/missile backshop processes and checkout/repair of missile motors. Additional space is provided for</p> |                                              |                           |                                                                    |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                                    |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N69232(AD)<br>NAVBASE VENTURA CTY PT MUGU CA<br>(SAN NICOLAS ISLAND)<br>SAN NICOLAS ISLAND, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>Missile Assembly Build & High<br>Explosive Mag |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>21230                    | 7. Project Number<br>P586 | 8. Project Cost (\$000)<br>31,010                                  |                        |
| <p>offices, restrooms, and mechanical equipment for building support and environmental control equipment.</p> <p>Constructs a Type-D earth-covered, reinforced concrete and un-barricaded missile magazine.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes overhead crane supports, crane (50-ton) and above-ground tanks with foundation.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), station utility hook-ups/connections and transportation costs for barging of materials.</p> <p>Operations and Maintenance Support information (OMSI) is included in this project.</p> <p>Paving and site improvements includes stormwater sewer catch basin, sidewalks, paving to magazine, shotcrete ground cover, approximately 15 parking spaces, paving around magazine and missile assembly building.</p> <p>Electrical utilities includes transformers, exterior lighting, telephone cable, ductbanks, high voltage and fiber optic cables, lightning protection, and electrical and communications manholes.</p> <p>Mechanical utilities includes thermal and humidity monitoring, fire hydrants, sanitary sewer lines, water lines, fire water line, sanitary sewer lift station and trenching for water line.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy</p> |                                              |                           |                                                                    |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                                    |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N69232(AD)<br>NAVBASE VENTURA CTY PT MUGU CA<br>(SAN NICOLAS ISLAND)<br>SAN NICOLAS ISLAND, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>Missile Assembly Build & High<br>Explosive Mag |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>21230                    | 7. Project Number<br>P586 | 8. Project Cost (\$000)<br>31,010                                  |                        |
| efficiency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                                    |                        |
| <b>11. Requirement:</b> <u>1,663 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs two facilities required for supersonic missile T&E and Fleet<br>ASCM threat training on the Navy Sea Range.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b><br>Adequate missile assembly and test buildings are essential to produce the<br>required rate for horizontal missile assembly/disassembly, missile section<br>build-up, nose fairing mate/de-mate, missile transfer to/from facility<br>transporter, missile systems testing, post-mate checkout and final missile<br>inspection. Affected programs are the Navy's supersonic sea-skimming<br>targets (SSST), other Navy missile programs, Missile Defense Agency<br>multiple programs, and others that use the San Nicolas Island (SNI)<br>facilities.<br><br>The MATB is required in order to simultaneously assemble and test up to<br>eight SSSTs, a capability required to produce the 25 or more SSSTs per year<br>needed for the launch schedule. The supersonic missile launches at SNI are<br>increasing from seven in 2017, to a minimum of 16 and up to as many as 34<br>launches in 2019. Current facilities can only produce four SSSTs a quarter,<br>and provide no backup/reserve targets for Quad Launches. This also<br>eliminates all other missile work in the facilities as safety regulations<br>prohibit simultaneously working multiple missile types in the same<br>facility.<br><br>A missile magazine is required in order to be able to safely store up to<br>eight All-Up-Rounds (AURs) until they are needed for launch. Currently<br>there are no magazine facilities on SNI large enough to store one AUR. The<br>AURs will be moved from the MATB to the magazine upon completion.<br>Currently, AURs must be launched within a week or disassembled, which voids<br>eight weeks of assembly work.<br><b>CURRENT SITUATION:</b><br>Located sixty miles from Naval Base Ventura County Point Mugu, SNI is an<br>integral part of the Navy's 36,000-square mile Sea Range. SNI is the Navy's<br>only CONUS capable site for SSST launches, with Pacific Missile Range<br>Facility Hawaii being the only other capable site world-wide.<br><br>SSST launches on SNI rarely exceeded five targets a year through 2017,<br>which was within the capacity of the two small MATBs on SNI. Over a three- |                                              |                           |                                                                    |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                                    |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N69232(AD)<br>NAVBASE VENTURA CTY PT MUGU CA<br>(SAN NICOLAS ISLAND)<br>SAN NICOLAS ISLAND, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           | 4. Project Title<br>Missile Assembly Build & High<br>Explosive Mag |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21230                    | 7. Project Number<br>P586 | 8. Project Cost (\$000)<br>31,010                                  |                        |
| <p>month period, each MATB can assemble two SSSTs but at the cost of prohibiting any other missile program work. After assembly is complete, the AURs must be stored in an approved storage facility within 108 hours. Due to no existing approved storage facilities for the AURs, the targets must either be launched within the 108 hour window or disassembled. After the two targets are assembled, the MATB is at capacity and cannot be utilized for other programs.</p> <p>Maximum launch capacity for SSSTs with current facilities is 12, with the capability to surge to 16. Surge capacity will be extremely difficult to meet and will provide zero spare targets should one or more targets fail pre-launch. If required to meet surge capacity, no other missile work can be executed on SNI as all existing facilities will be required to work on SSSTs, severely impacting other Navy missile programs, DoD Missile Defense Agency programs, and various other agencies.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>The Navy is at high risk to complete required ships T&amp;E and critical Fleet ASCM training. This project will result in the delay of some Ship Self-Defense System (SSDS) Initial Operational Capability (IOC) and deploying some Carrier Battle Groups without anti-missile training.</p> |                                              |                           |                                                                    |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                                    |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                                    |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                                    |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                                    | 06/2015                |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                    | 06/2017                |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                                    | 03/2019                |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                                    | 35%                    |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                    | 55%                    |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                                    | Design Bid Build       |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                    | Yes                    |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                                    | Yes                    |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                                    |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                    | No                     |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                                    | N/A                    |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                                    |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                                    | \$1,860                |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                                    | \$930                  |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                                    | \$2,790                |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                    | \$2,250                |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                    | \$540                  |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                                         |                                                                    | 2. Date<br>05 FEB 2018 |                                         |                                   |                                         |                     |                                                       |     |      |       |                             |     |      |     |                         |     |      |    |                              |     |      |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------|--------------------------------------------------------------------|------------------------|-----------------------------------------|-----------------------------------|-----------------------------------------|---------------------|-------------------------------------------------------|-----|------|-------|-----------------------------|-----|------|-----|-------------------------|-----|------|----|------------------------------|-----|------|----|
| 3. Installation(SA)& Location/UIC: N69232(AD)<br>NAVBASE VENTURA CTY PT MUGU CA<br>(SAN NICOLAS ISLAND)<br>SAN NICOLAS ISLAND, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                         | 4. Project Title<br>Missile Assembly Build & High<br>Explosive Mag |                        |                                         |                                   |                                         |                     |                                                       |     |      |       |                             |     |      |     |                         |     |      |    |                              |     |      |    |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6. Category Code<br>21230                    | 7. Project Number<br>P586               | 8. Project Cost (\$000)<br>31,010                                  |                        |                                         |                                   |                                         |                     |                                                       |     |      |       |                             |     |      |     |                         |     |      |    |                              |     |      |    |
| 4. Contract award: 06/2019<br>5. Construction start: 07/2019<br>6. Construction complete: 04/2021<br>B. Equipment associated with this project which will be provided from<br>other appropriations:<br><table border="1"> <thead> <tr> <th><u>Equipment</u><br/><u>Nomenclature</u></th> <th><u>Procuring</u><br/><u>Approp</u></th> <th><u>FY Approp</u><br/><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment / Furniture,<br/>Fixtures &amp; Equip</td> <td>OPN</td> <td>2018</td> <td>5,369</td> </tr> <tr> <td>Electronic Security Systems</td> <td>OPN</td> <td>2019</td> <td>627</td> </tr> <tr> <td>Info Technology Systems</td> <td>OMN</td> <td>2019</td> <td>84</td> </tr> <tr> <td>Telecommunications Equipment</td> <td>OPN</td> <td>2019</td> <td>50</td> </tr> </tbody> </table> |                                              |                                         |                                                                    |                        | <u>Equipment</u><br><u>Nomenclature</u> | <u>Procuring</u><br><u>Approp</u> | <u>FY Approp</u><br><u>or Requested</u> | <u>Cost (\$000)</u> | Collateral Equipment / Furniture,<br>Fixtures & Equip | OPN | 2018 | 5,369 | Electronic Security Systems | OPN | 2019 | 627 | Info Technology Systems | OMN | 2019 | 84 | Telecommunications Equipment | OPN | 2019 | 50 |
| <u>Equipment</u><br><u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u>Procuring</u><br><u>Approp</u>            | <u>FY Approp</u><br><u>or Requested</u> | <u>Cost (\$000)</u>                                                |                        |                                         |                                   |                                         |                     |                                                       |     |      |       |                             |     |      |     |                         |     |      |    |                              |     |      |    |
| Collateral Equipment / Furniture,<br>Fixtures & Equip                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OPN                                          | 2018                                    | 5,369                                                              |                        |                                         |                                   |                                         |                     |                                                       |     |      |       |                             |     |      |     |                         |     |      |    |                              |     |      |    |
| Electronic Security Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OPN                                          | 2019                                    | 627                                                                |                        |                                         |                                   |                                         |                     |                                                       |     |      |       |                             |     |      |     |                         |     |      |    |                              |     |      |    |
| Info Technology Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | OMN                                          | 2019                                    | 84                                                                 |                        |                                         |                                   |                                         |                     |                                                       |     |      |       |                             |     |      |     |                         |     |      |    |                              |     |      |    |
| Telecommunications Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OPN                                          | 2019                                    | 50                                                                 |                        |                                         |                                   |                                         |                     |                                                       |     |      |       |                             |     |      |     |                         |     |      |    |                              |     |      |    |
| JOINT USE CERTIFICATION:<br>The Installation Management Claimant certifies that this project has been<br>considered for joint use potential. Unilateral Construction is<br>recommended. Mission requirements, operational considerations, and<br>location are incompatible with use by other components.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                         |                                                                    |                        |                                         |                                   |                                         |                     |                                                       |     |      |       |                             |     |      |     |                         |     |      |    |                              |     |      |    |
| Activity POC: Project Development Lead      Phone No: 805-989-9751                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                                         |                                                                    |                        |                                         |                                   |                                         |                     |                                                       |     |      |       |                             |     |      |     |                         |     |      |    |                              |     |      |    |

|                                                                                                                                           |                                              |                           |                                                                    |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N69232(AD)<br>NAVBASE VENTURA CTY PT MUGU CA<br>(SAN NICOLAS ISLAND)<br>SAN NICOLAS ISLAND, CALIFORNIA |                                              |                           | 4. Project Title<br>Missile Assembly Build & High<br>Explosive Mag |                        |
| 5. Program Element<br>0712876N                                                                                                            | 6. Category Code<br>21230                    | 7. Project Number<br>P586 | 8. Project Cost (\$000)<br>31,010                                  |                        |
| <p><b>Blank Page</b></p>                                                                                                                  |                                              |                           |                                                                    |                        |

|                                                                                                                                                                              |                                              |                      |     |                 |                                                       |              |                |                                     |         |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|-----|-----------------|-------------------------------------------------------|--------------|----------------|-------------------------------------|---------|------------------|
| 1. Component<br>NAVY                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |     |                 |                                                       |              |                | 2. Date<br>05 FEB 2018              |         |                  |
| 3. Installation and Location: N61065<br>NAVWPNSTA SEAL BEACH<br>SEAL BEACH, CALIFORNIA                                                                                       |                                              |                      |     |                 | 4. Command<br>Commander Navy<br>Installations Command |              |                | 5. Area Const<br>Cost Index<br>1.17 |         |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                             | PERMANENT                                    |                      |     | STUDENTS        |                                                       |              | SUPPORT        |                                     |         | TOTAL            |
|                                                                                                                                                                              | OFF                                          | ENL                  | CIV | OFF             | ENL                                                   | CIV          | OFF            | ENL                                 | CIV     |                  |
|                                                                                                                                                                              | 62                                           | 547                  | 343 | 0               | 0                                                     | 0            | 0              | 0                                   | 0       | 952              |
|                                                                                                                                                                              | 62                                           | 556                  | 343 | 0               | 0                                                     | 0            | 0              | 0                                   | 0       | 961              |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                             |                                              |                      |     |                 |                                                       |              |                |                                     |         |                  |
| A. TOTAL ACREAGE ..(4875 Acres)                                                                                                                                              |                                              |                      |     |                 |                                                       |              |                |                                     |         |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                         |                                              |                      |     |                 |                                                       |              |                |                                     |         | 1,068,048        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                  |                                              |                      |     |                 |                                                       |              |                |                                     |         | 22,737           |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                             |                                              |                      |     |                 |                                                       |              |                |                                     |         | 117,830          |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                         |                                              |                      |     |                 |                                                       |              |                |                                     |         | 94,380           |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                 |                                              |                      |     |                 |                                                       |              |                |                                     |         | 44,000           |
| G. REMAINING DEFICIENCY .....                                                                                                                                                |                                              |                      |     |                 |                                                       |              |                |                                     |         | 124,043          |
| <b>H. GRAND TOTAL .....</b>                                                                                                                                                  |                                              |                      |     |                 |                                                       |              |                |                                     |         | <b>1,471,038</b> |
| 8. Projects Requested In This Program                                                                                                                                        |                                              |                      |     |                 |                                                       |              |                |                                     |         |                  |
| <u>Cat</u>                                                                                                                                                                   |                                              | <u>Design Status</u> |     |                 |                                                       | <u>Cost</u>  |                |                                     |         |                  |
| <u>Code</u>                                                                                                                                                                  | <u>Project Title</u>                         | <u>Start</u>         |     | <u>Complete</u> |                                                       | <u>Scope</u> | <u>(\$000)</u> |                                     |         |                  |
| 16410                                                                                                                                                                        | Causeway, Boat Channel &<br>Turning Basin    | 09/2016              |     | 01/2019         |                                                       | 0 LS         | 117,830        |                                     |         |                  |
| TOTAL                                                                                                                                                                        |                                              |                      |     |                 |                                                       |              |                |                                     | 117,830 |                  |
| 9. Future Projects:                                                                                                                                                          |                                              |                      |     |                 |                                                       |              |                |                                     |         |                  |
| A. Included In The Following Program:                                                                                                                                        |                                              |                      |     |                 |                                                       |              |                |                                     |         |                  |
| 85110 Ammunition Pier                                                                                                                                                        |                                              |                      |     |                 |                                                       |              |                |                                     |         | 94,380           |
| TOTAL                                                                                                                                                                        |                                              |                      |     |                 |                                                       |              |                |                                     |         | 94,380           |
| B. Major Planned Next Three Years:                                                                                                                                           |                                              |                      |     |                 |                                                       |              |                |                                     |         |                  |
| Missile Magazines                                                                                                                                                            |                                              |                      |     |                 |                                                       |              |                |                                     |         | 22,000           |
| Missile Magazines                                                                                                                                                            |                                              |                      |     |                 |                                                       |              |                |                                     |         | 22,000           |
| TOTAL                                                                                                                                                                        |                                              |                      |     |                 |                                                       |              |                |                                     |         | 44,000           |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                         |                                              |                      |     |                 |                                                       |              |                |                                     |         | 308,214          |
| 10. Mission or Major Functions:                                                                                                                                              |                                              |                      |     |                 |                                                       |              |                |                                     |         |                  |
| Naval Weapons Station Seal Beach and its detachments provide shore-based infrastructure support to the Navy's ordnance mission and other fleet and fleet support activities. |                                              |                      |     |                 |                                                       |              |                |                                     |         |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                   |                                              |                      |     |                 |                                                       |              |                |                                     |         |                  |
| A. Pollution Abatement(*):                                                                                                                                                   |                                              |                      |     |                 |                                                       |              |                |                                     |         | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                   |                                              |                      |     |                 |                                                       |              |                |                                     |         | 0                |

|                                                                                        |                                              |                                                       |                                     |
|----------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                                                       | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N61065<br>NAVWPNSTA SEAL BEACH<br>SEAL BEACH, CALIFORNIA |                                              | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.17 |
| <p><b>Blank Page</b></p>                                                               |                                              |                                                       |                                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                               |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                               | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61065<br>NAVWPNSTA SEAL BEACH<br>SEAL BEACH, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           | 4. Project Title<br>Causeway, Boat Channel &<br>Turning Basin |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>16410                    | 7. Project Number<br>P224 | 8. Project Cost (\$000)<br>117,830                            |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                               |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | UM                                           | Quantity                  | Unit Cost                                                     | Cost(\$000)            |
| CAUSEWAY, BOAT CHANNEL & TURNING BASIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                                               | 80,050                 |
| CAUSEWAY / MOLE / SMALL BOAT CHANNEL CC16410                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TN                                           | 500,000                   | 54.75                                                         | (27,380)               |
| DREDGING CC16510 (1,248,298CY)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | m3                                           | 954,392                   | 40.74                                                         | (38,880)               |
| BREAKWATER CC16410                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TN                                           | 221,000                   | 55.28                                                         | (12,220)               |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                               | (1,570)                |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                               | 26,120                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                               | (2,620)                |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                               | (1,660)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                                               | (2,630)                |
| ANTI-TERRORISM/FORCE PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                                               | (210)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                                               | (5,340)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                                               | (5,290)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                               | (8,370)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                               | 106,170                |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                               | 5,310                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                               | 111,480                |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                               | 6,350                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                               | 117,830                |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                               | 117,830                |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                               | 117,830                |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                               | (8,632)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                               |                        |
| <p>Constructs a navigation channel and causeway to separate public boat traffic from naval ordnance on-loading and off-loading operations and address safety and security concerns.</p> <p>Provides dredging for navigation channel, ship channel, and turning basin. Much of the dredge material will be used within the construction of the causeway, environmental mitigation, and beach replenishment to minimize more expensive disposal methods. Excess dredge material remaining will be offshore disposal or upland disposal as necessary.</p> |                                              |                           |                                                               |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                               | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61065<br>NAVWPNSTA SEAL BEACH<br>SEAL BEACH, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           | 4. Project Title<br>Causeway, Boat Channel &<br>Turning Basin |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>16410                    | 7. Project Number<br>P224 | 8. Project Cost (\$000)<br>117,830                            |                        |
| <p>Constructs a breakwater to reduce adverse wave motion on wharf ordnance on-loading and off-loading operations.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special construction features include upgrades to existing pile supported ammunition Wharf #311 to accommodate large-deck amphibious ships. The wharf upgrades include mooring dolphins at both ends of the wharf, mooring hardware and bouys, and deck structural improvements.</p> <p>Site preparation includes site clearing and earthwork in preparation for construction.</p> <p>Paving and site improvements include grading, roadways, storm drainage, security fencing and bioretention features.</p> <p>Anti-Terrorism/Force Protection (AT/FP) features outside measures including security guard shack, watch tower, and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Electrical utilities include primary distribution systems, telecommunications infrastructure, exterior lighting, switchgear and grounding source.</p> <p>Mechanical utilities include potable and fire protection water pipelines, sewer lift station, and sanitary sewer lines.</p> <p>Environmental mitigation includes costs for mitigation and monitoring of eelgrass habitat and other environmental impact costs.</p> <p>This project also includes relocation of Building #349 (12 m2), five existing mooring buoys, demolition of two mooring buoys, and removal of a</p> |                                              |                           |                                                               |                        |



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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                               | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61065<br>NAVWPNSTA SEAL BEACH<br>SEAL BEACH, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           | 4. Project Title<br>Causeway, Boat Channel &<br>Turning Basin |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>16410                    | 7. Project Number<br>P224 | 8. Project Cost (\$000)<br>117,830                            |                        |
| <p>portion of the east and west rock moles.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> <p>This project constructs a causeway/mole with road and security building within the 100-year flood plain. The causeway is designed to structurally withstand the 100-year flood. The elevations of the causeway/mole road and security building will be adequate to preclude damage by a 100 year storm.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                               |                        |
| <p><b>11. Requirement:</b>                      <b>Adequate:</b>                      <b>Substandard:</b></p> <p><b>PROJECT:</b></p> <p>Constructs fill causeway, navigation channel for public boat traffic, moorings, wharf improvements, dredging and breakwater.</p> <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>Navigation channel for public boat traffic outside of current Public Transit Route Explosive Safety Quantity Distance arcs with physical separation for Navy vessels at berth is required for mission assurance.</p> <p>An expanded turning basin is required for safe berthing of larger amphibious Navy vessels and to minimize tug usage.</p> <p><b>CURRENT SITUATION:</b></p> <p>Naval Weapons Station (NWS) Seal Beach is the primary ordnance onload and offload facility for surface combatants, amphibious ships, Coast Guard ships and barges homeported in the San Diego region and is the only Navy intermediate level maintenance facility for the vertical launch system standard missile and the primary West Coast activity for encan/decan of Tomahawk missiles. The length of these ships combined with the small size and shape of Anaheim Bay currently prevents them from safely entering and maneuvering to the ammunition wharf. These ships are currently unloaded and offloaded at anchorage offshore via vertical replenishment.</p> <p>Public boat traffic currently transit to and from Huntington Harbor and Sunset Marinas through Anaheim Bay. This boat traffic causes numerous safety and security concerns thus requiring improvements such as the physical separation of public boat traffic from Navy vessels at berth in Anaheim Bay.</p> |                                              |                           |                                                               |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                               | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
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| 3. Installation(SA)& Location/UIC: N61065<br>NAVWPNSTA SEAL BEACH<br>SEAL BEACH, CALIFORNIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>Causeway, Boat Channel &<br>Turning Basin |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>16410                    | 7. Project Number<br>P224 | 8. Project Cost (\$000)<br>117,830                            |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| <b>IMPACT IF NOT PROVIDED:</b><br><p>Reliance on tug support for mooring of Navy vessels wharf-side would continue to present a constraint for ordnance onload/offload operations.</p> <p>Security concerns would remain with public boat traffic having no physical separation between the channel and ordnance loading operations requiring additional security staff and patrol boat.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| <b>12. Supplemental Data:</b><br><p>A. Estimated Design Data:</p> <p>1. Status:</p> <table style="width: 100%; border: none;"> <tr><td>(A) Date design or Parametric Cost Estimate started</td><td style="text-align: right;">09/2016</td></tr> <tr><td>(B) Date 35% Design or Parametric Cost Estimate complete</td><td style="text-align: right;">05/2017</td></tr> <tr><td>(C) Date design completed</td><td style="text-align: right;">01/2019</td></tr> <tr><td>(D) Percent completed as of September 2017</td><td style="text-align: right;">15%</td></tr> <tr><td>(E) Percent completed as of January 2018</td><td style="text-align: right;">35%</td></tr> <tr><td>(F) Type of design contract</td><td style="text-align: right;">Design Bid Build</td></tr> <tr><td>(G) Parametric Estimate used to develop cost</td><td style="text-align: right;">Yes</td></tr> <tr><td>(H) Energy Study/Life Cycle Analysis performed</td><td style="text-align: right;">Yes</td></tr> </table> <p>2. Basis:</p> <table style="width: 100%; border: none;"> <tr><td>(A) Standard or Definitive Design</td><td style="text-align: right;">No</td></tr> <tr><td>(B) Where design was previously used</td><td style="text-align: right;">N/A</td></tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table style="width: 100%; border: none;"> <tr><td>(A) Production of plans and specifications</td><td style="text-align: right;">\$7,070</td></tr> <tr><td>(B) All other design costs</td><td style="text-align: right;">\$3,535</td></tr> <tr><td>(C) Total</td><td style="text-align: right;">\$10,605</td></tr> <tr><td>(D) Contract</td><td style="text-align: right;">\$8,543</td></tr> <tr><td>(E) In-house</td><td style="text-align: right;">\$2,062</td></tr> </table> <p>4. Contract award: 07/2019</p> <p>5. Construction start: 08/2019</p> <p>6. Construction complete: 07/2021</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Procuring</u></th> <th style="text-align: center;"><u>FY Approp</u></th> <th style="text-align: right;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: center;"><u>Approp</u></th> <th style="text-align: center;"><u>or Requested</u></th> <th style="text-align: right;"></th> </tr> </thead> <tbody> <tr> <td>Physical Security Barriers (Port Ops)</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2020</td> <td style="text-align: right;">8,632</td> </tr> </tbody> </table> <p><b>JOINT USE CERTIFICATION:</b><br/> The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.</p> |                                              |                           |                                                               |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 05/2017 | (C) Date design completed | 01/2019 | (D) Percent completed as of September 2017 | 15% | (E) Percent completed as of January 2018 | 35% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | Yes | (A) Standard or Definitive Design | No | (B) Where design was previously used | N/A | (A) Production of plans and specifications | \$7,070 | (B) All other design costs | \$3,535 | (C) Total | \$10,605 | (D) Contract | \$8,543 | (E) In-house | \$2,062 | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> | <u>Cost (\$000)</u> | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> |  | Physical Security Barriers (Port Ops) | OPN | 2020 | 8,632 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 09/2016                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/2017                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 01/2019                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15%                                          |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 35%                                          |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Design Bid Build                             |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Yes                                          |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                          |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                           |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A                                          |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$7,070                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$3,535                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$10,605                                     |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$8,543                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$2,062                                      |                           |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>Procuring</u>                             | <u>FY Approp</u>          | <u>Cost (\$000)</u>                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>Approp</u>                                | <u>or Requested</u>       |                                                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |
| Physical Security Barriers (Port Ops)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | OPN                                          | 2020                      | 8,632                                                         |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |          |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                                       |     |      |       |

|                                                                                             |                                              |                           |                                                               |                        |
|---------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                               | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61065<br>NAVWPNSTA SEAL BEACH<br>SEAL BEACH, CALIFORNIA |                                              |                           | 4. Project Title<br>Causeway, Boat Channel &<br>Turning Basin |                        |
| 5. Program Element<br>0203176N                                                              | 6. Category Code<br>16410                    | 7. Project Number<br>P224 | 8. Project Cost (\$000)<br>117,830                            |                        |
| Activity POC: Project Development Lead      Phone No: 619-556-0601                          |                                              |                           |                                                               |                        |
|                                                                                             |                                              |                           |                                                               |                        |

|                                                                                             |                                              |                           |                                                               |                        |
|---------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                               | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61065<br>NAVWPNSTA SEAL BEACH<br>SEAL BEACH, CALIFORNIA |                                              |                           | 4. Project Title<br>Causeway, Boat Channel &<br>Turning Basin |                        |
| 5. Program Element<br>0203176N                                                              | 6. Category Code<br>16410                    | 7. Project Number<br>P224 | 8. Project Cost (\$000)<br>117,830                            |                        |
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|                                                                                                                                                                                                                                                                                             |                                              |     |     |                                                       |     |                                     |                        |              |                |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----|-----|-------------------------------------------------------|-----|-------------------------------------|------------------------|--------------|----------------|----------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |     |     |                                                       |     |                                     | 2. Date<br>05 FEB 2018 |              |                |                |
| 3. Installation and Location: N68469<br>NAVAL SUPPORT ACTIVITY WASH<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA                                                                                                                                                                              |                                              |     |     | 4. Command<br>Commander Navy<br>Installations Command |     | 5. Area Const<br>Cost Index<br>1.06 |                        |              |                |                |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                            | PERMANENT                                    |     |     | STUDENTS                                              |     |                                     | SUPPORT                |              |                | TOTAL          |
|                                                                                                                                                                                                                                                                                             | OFF                                          | ENL | CIV | OFF                                                   | ENL | CIV                                 | OFF                    | ENL          | CIV            |                |
|                                                                                                                                                                                                                                                                                             | 4                                            | 4   | 106 | 0                                                     | 0   | 0                                   | 0                      | 0            | 0              | 114            |
|                                                                                                                                                                                                                                                                                             | 4                                            | 4   | 106 | 0                                                     | 0   | 0                                   | 0                      | 0            | 0              | 114            |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                            |                                              |     |     |                                                       |     |                                     |                        |              |                |                |
| A. TOTAL ACREAGE ..(72 Acres)                                                                                                                                                                                                                                                               |                                              |     |     |                                                       |     |                                     |                        |              |                |                |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                        |                                              |     |     |                                                       |     |                                     |                        |              |                | 94,054         |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                 |                                              |     |     |                                                       |     |                                     |                        |              |                | 3,240          |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                            |                                              |     |     |                                                       |     |                                     |                        |              |                | 115,600        |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                        |                                              |     |     |                                                       |     |                                     |                        |              |                | 0              |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                |                                              |     |     |                                                       |     |                                     |                        |              |                | 0              |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                               |                                              |     |     |                                                       |     |                                     |                        |              |                | 0              |
| <b>H. GRAND TOTAL .....</b>                                                                                                                                                                                                                                                                 |                                              |     |     |                                                       |     |                                     |                        |              |                | <b>212,894</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                       |                                              |     |     |                                                       |     |                                     |                        |              |                |                |
| <u>Cat</u>                                                                                                                                                                                                                                                                                  |                                              |     |     |                                                       |     | <u>Design Status</u>                |                        | <u>Cost</u>  |                |                |
| <u>Code</u>                                                                                                                                                                                                                                                                                 | <u>Project Title</u>                         |     |     |                                                       |     | <u>Start</u>                        | <u>Complete</u>        | <u>Scope</u> | <u>(\$000)</u> |                |
| 13124                                                                                                                                                                                                                                                                                       | Master Time Clocks &<br>Operations Facility  |     |     |                                                       |     | 12/2015                             | 02/2019                | 7599 m2      | 115,600        |                |
| TOTAL                                                                                                                                                                                                                                                                                       |                                              |     |     |                                                       |     |                                     |                        |              | 115,600        |                |
| 9. Future Projects:                                                                                                                                                                                                                                                                         |                                              |     |     |                                                       |     |                                     |                        |              |                |                |
| A. Included In The Following Program:                                                                                                                                                                                                                                                       |                                              |     |     |                                                       |     |                                     |                        |              |                |                |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                          |                                              |     |     |                                                       |     |                                     |                        |              |                |                |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                        |                                              |     |     |                                                       |     |                                     |                        |              |                | 837,463        |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                             |                                              |     |     |                                                       |     |                                     |                        |              |                |                |
| Determine the positions and motions of celestial bodies, motions of the Earth, and precise time. Provide astronomical and timing data required by the Navy and other components of the Department of Defense for navigation, precise positioning, and command, control, and communications. |                                              |     |     |                                                       |     |                                     |                        |              |                |                |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                  |                                              |     |     |                                                       |     |                                     |                        |              |                |                |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                  |                                              |     |     |                                                       |     |                                     |                        |              |                | 0              |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                  |                                              |     |     |                                                       |     |                                     |                        |              |                | 0              |

|                                                                                                                |                                                       |                                     |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N68469<br>NAVAL SUPPORT ACTIVITY WASH<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.06 |

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|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68469(NO)<br>NAVAL SUPPORT ACTIVITY WASH<br>(NAVAL OBSERVATORY)<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA |                                              |                           | 4. Project Title<br>Master Time Clocks & Operations<br>Facility |                        |
| 5. Program Element<br>0301376N                                                                                                                 | 6. Category Code<br>13124                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>115,600                              |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                       |                                              |                           |                                                                 |                        |
| Item                                                                                                                                           | UM                                           | Quantity                  | Unit Cost                                                       | Cost(\$000)            |
| MASTER TIME CLOCKS & OPERATIONS<br>FACILITY (81,794SF)                                                                                         | m2                                           | 7,598.94                  |                                                                 | 85,290                 |
| DATA PROCESSING CENTER CC13115<br>(11,076SF) (RENOVATE)                                                                                        | m2                                           | 1,029                     | 6,585.33                                                        | (6,780)                |
| ADMINISTRATION BUILDING<br>CC61010 (43,597SF) (RENOVATE)                                                                                       | m2                                           | 4,050.25                  | 6,089.44                                                        | (24,660)               |
| CLOCK FACILITY (#51) CC13124<br>(14,951SF)                                                                                                     | m2                                           | 1,389                     | 11,035.65                                                       | (15,330)               |
| OBSERVERS ELECTRONIC LAB<br>CC31017 (2,068SF) (RENOVATE)                                                                                       | m2                                           | 192.12                    | 10,892.58                                                       | (2,090)                |
| SIMON NEWCOMB LABORATORY<br>CC61010 (10,103SF) (RENOVATE)                                                                                      | m2                                           | 938.57                    | 10,219.23                                                       | (9,590)                |
| SCIF CONSTRUCTION, BUILDING<br>#51                                                                                                             | LS                                           |                           |                                                                 | (350)                  |
| SCIF CONSTRUCTION, BUILDING<br>#52A                                                                                                            | LS                                           |                           |                                                                 | (350)                  |
| SIPRNET INFRASTRUCTURE,<br>BUILDING #3                                                                                                         | LS                                           |                           |                                                                 | (10)                   |
| INFORMATION SYSTEMS                                                                                                                            | LS                                           |                           |                                                                 | (3,680)                |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                             | LS                                           |                           |                                                                 | (6,290)                |
| BUILT-IN EQUIPMENT                                                                                                                             | LS                                           |                           |                                                                 | (5,440)                |
| SPECIAL COSTS                                                                                                                                  | LS                                           |                           |                                                                 | (7,790)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                    | LS                                           |                           |                                                                 | (1,230)                |
| SUSTAINABILITY AND ENERGY<br>FEATURES                                                                                                          | LS                                           |                           |                                                                 | (1,700)                |
| SUPPORTING FACILITIES                                                                                                                          |                                              |                           |                                                                 | 18,880                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                  | LS                                           |                           |                                                                 | (4,450)                |
| PAVEMENT FACILITIES                                                                                                                            | LS                                           |                           |                                                                 | (30)                   |
| SITE PREPARATIONS                                                                                                                              | LS                                           |                           |                                                                 | (190)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                   | LS                                           |                           |                                                                 | (1,910)                |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                             | LS                                           |                           |                                                                 | (1,180)                |
| ELECTRICAL UTILITIES                                                                                                                           | LS                                           |                           |                                                                 | (7,900)                |
| MECHANICAL UTILITIES                                                                                                                           | LS                                           |                           |                                                                 | (550)                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                 |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68469(NO)<br>NAVAL SUPPORT ACTIVITY WASH<br>(NAVAL OBSERVATORY)<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           | 4. Project Title<br>Master Time Clocks & Operations<br>Facility |                        |
| 5. Program Element<br>0301376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>13124                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>115,600                              |                        |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              | LS                        |                                                                 | (2,570)                |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              | LS                        |                                                                 | (100)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                 | 104,170                |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                                 | 5,210                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                 | 109,380                |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                                 | 6,230                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                 | 115,610                |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                                 | 115,610                |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                                 | 115,600                |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                                 | (46,032)               |
| <p><b>10. Description of Proposed Construction:</b></p> <p>Converts Building #52, a three-story administration building, housing operational storage, instrument calibration, public works maintenance, astronomy laboratory, optics laboratory, communication laboratory and administration offices. The conversion includes upgrading the architectural, structural, electrical, mechanical and fire protection systems.</p> <p>Constructs Building #51, a low-rise master time clock facility, housing the master clock, mission operations center and Earth Orientation Parameter Center (EOPC). The facility will have slab-on-grade with spread footings, exterior load-bearing concrete block walls with oversized masonry units, standing seam-metal roof on metal-truss system and isolation concrete pads for the clock systems. The facility also includes a High Altitude Electromagnetic Pulse (HEMP) protection and a Sensitive Compartmented Information Facility (SCIF). Anti-Terrorism/Force Protection (AT/FP) upgrades to the exterior envelope will be provided.</p> <p>Converts Building #52A, a three-story data processing center, housing the communication center, optics laboratory and administration offices. The conversion includes upgrading the architectural, structural, electrical, mechanical and fire protection systems. This facility includes a SCIF.</p> <p>Converts Building #3, a low-rise observers electronic lab, housing the optics laboratory and civilian quarters. The conversion includes exterior historic restoration, interior alterations to include architectural, electrical, mechanical and fire protection systems.</p> <p>Converts Building #78, a two-story optics laboratory, housing</p> |                                              |                           |                                                                 |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                                 |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68469(NO)<br>NAVAL SUPPORT ACTIVITY WASH<br>(NAVAL OBSERVATORY)<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           | 4. Project Title<br>Master Time Clocks & Operations<br>Facility |                        |
| 5. Program Element<br>0301376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>13124                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>115,600                              |                        |
| <p>administration offices and laboratory space. The conversion includes upgrading the architectural, structural, electrical, mechanical and fire protection systems.</p> <p>Information systems include basic telephone and data, computer network, fiber optic connectivity to the time dissemination facility, cable television, security, fire alarm systems and infrastructure. Project provides the infrastructure for the following systems: Secret Internet Protocol Router Network (SIPRNET), Unclassified but Sensitive Internet Protocol Router Network (NIPRNET), Sensitive Compartment Informational Systems and Common Operating Environment.</p> <p>This project will provide AT/FP features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes raised access flooring, emergency generator, passenger/freight elevators, fuel storage tank, uninterrupted power system, fire/smoke protection system and a clean agent fire protection system.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), enhanced commissioning and clock room commissioning. Additional special costs include an archaeological site review, temporary facilities and gross receipt tax for electrical service from the secondary electrical feeder.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special construction features include restoration of historic exterior, HEMP Hardening and isolation pads for clocks.</p> <p>Paving and site improvements include sidewalks, landscaping, stormwater detention dry pond, access road, bioretention swales, erosion and dust control measures, ramps and guard rails.</p> <p>AT/FP includes an anti-ram barrier and sliding crash gates with card</p> |                                              |                           |                                                                 |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68469(NO)<br>NAVAL SUPPORT ACTIVITY WASH<br>(NAVAL OBSERVATORY)<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>Master Time Clocks & Operations<br>Facility |                        |
| 5. Program Element<br>0301376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>13124                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>115,600                              |                        |
| <p>readers.</p> <p>Electrical utilities include pad mounted transformer and switchgear, secondary telecommunications service, underground feeder, site lighting, telecommunication and replacement of transformer and switchgear.</p> <p>Demolition of Building #82 (92 m2), an unoccupied technical equipment building that is in poor condition. The facility will be demolished to clear the site for this project.</p> <p>Environmental mitigation includes hazardous material (asbestos, lead based paint contamination, polychlorinated biphenyl ballasts, mercury) abatement, radon mitigation, historic preservation mitigation for cultural tree disturbance and restoration monitoring.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in the DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                |                                              |                           |                                                                 |                        |
| <b>11. Requirement:</b> <u>7,599 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs, converts and demolishes facilities to support the mission at the Master Time Clock.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>The Master Time Clock Facility provides a wide range of astronomical data and products and serves as the official source of time for the U.S. Department of Defense and a standard of time for the entire United States.<br><br>Activities include astrometry, astronomical applications, earth orientation and precise time. Time Services' mission includes determining the positions and motions of the Earth, Sun, Moon, planets, stars and other celestial objects; providing astronomical reference data; measuring the Earth's rotation and orientation; determining precise time and maintaining the master clock for the United States.<br><br>Astronomical and timing data are essential for accurate navigation and the support of secure digital communications on Earth and in space. US Naval Observatory Master Clock provides the only common time reference standard |                                              |                           |                                                                 |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68469(NO)<br>NAVAL SUPPORT ACTIVITY WASH<br>(NAVAL OBSERVATORY)<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>Master Time Clocks & Operations<br>Facility |                        |
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| <p>for all of DoD, with an ensemble of approximately 51 weighted atomic clocks. An adequate, efficiently configured building is required to provide a secure and controlled laboratory environment to house clock equipment and instruments.</p> <p>Facility must be designed to meet the temperature and humidity performance specifications, maintain temperature constraints of the space, and must include redundant electrical and mechanical systems and controls for continued operations.</p> <p><b>CURRENT SITUATION:</b></p> <p>The current configuration of the operational facilities is a result of decades of patchwork and ad hoc designs, resulting in numerous force protection, power and communication single point vulnerabilities. USNO Master Clock and the related vault functions are currently housed in Building #50 (constructed in 2007), Building #52A (constructed in 1993) and Building #78 (constructed in 1961 as an administrative office facility). Within Building #78, the lack of adequate space, poor temperature and humidity control, and inadequate ventilation and air-conditioning systems significantly impacts the required controlled environment. Building #78 is not able to meet the HVAC condition requirements for the clocks, it has an overtaxed electrical support system, lacks power redundancy, is near the helicopter pad (which poses a safety risk), has asbestos throughout, is contaminated with mold, and has ceiling height limitations which make it difficult for staff to access the clocks for maintenance. The research laboratory in Building #78 is outdated and does not meet the space requirements.</p> <p>Building #52A serves as the Earth orientation office and the operations center. The facility is located near the USNO fence line, which is a security concern. The facility has poor temperature and humidity controls; cooling issues negatively impact the functionality of the mission critical equipment.</p> <p>When the clocks and research spaces are relocated with this project, this facility will be converted into communication laboratory space to meet the additional needs of the mission.</p> <p>This project is not in a 100-Year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>The Master Time Clock Facility will not be able to adequately perform the mission and support the DoD and DON. There will be a significant lack in critical infrastructure. Deferral of this project will result in the</p> |                                              |                           |                                                                 |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
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| 3. Installation(SA)& Location/UIC: N68469(NO)<br>NAVAL SUPPORT ACTIVITY WASH<br>(NAVAL OBSERVATORY)<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           | 4. Project Title<br>Master Time Clocks & Operations<br>Facility |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| 5. Program Element<br>0301376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>13124                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>115,600                              |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| continued usage of the existing facilities to perform essential operations within cramped and uncontrolled environmental conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                                 |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 12/2015<br>(B) Date 35% Design or Parametric Cost Estimate complete 02/2017<br>(C) Date design completed 02/2019<br>(D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 30%<br>(F) Type of design contract Design Bid Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed No<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$6,936<br>(B) All other design costs \$3,468<br>(C) Total \$10,404<br>(D) Contract \$8,381<br>(E) In-house \$2,023<br>4. Contract award: 08/2019<br>5. Construction start: 09/2019<br>6. Construction complete: 04/2024<br>B. Equipment associated with this project which will be provided from other appropriations:<br><table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Procuring</u></th> <th style="text-align: center;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: center;"><u>Approp</u></th> <th style="text-align: center;"><u>or Requested</u></th> <th style="text-align: center;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>C4I Planning &amp; Design</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2020</td> <td style="text-align: right;">6,952</td> </tr> <tr> <td>C4I Relocation/Install Systems</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">11,081</td> </tr> <tr> <td>C4I Relocation/Install/Systems &amp; New</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">16,997</td> </tr> <tr> <td>Capacity Inst</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Equipment, VTC System</td> <td style="text-align: center;">RDT&amp;E</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">2,662</td> </tr> <tr> <td>Mission Equipment</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">4,867</td> </tr> <tr> <td>Mission Furniture</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">2,979</td> </tr> <tr> <td>Physical Security Equipment</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">494</td> </tr> </tbody> </table> JOINT USE CERTIFICATION:<br>The Installation Management Claimant certifies that this project has been considered for joint use potential. Joint Use is recommended. |                                              |                           |                                                                 |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | C4I Planning & Design | OMN | 2020 | 6,952 | C4I Relocation/Install Systems | OMN | 2021 | 11,081 | C4I Relocation/Install/Systems & New | OPN | 2021 | 16,997 | Capacity Inst |  |  |  | Equipment, VTC System | RDT&E | 2021 | 2,662 | Mission Equipment | OPN | 2021 | 4,867 | Mission Furniture | OMN | 2021 | 2,979 | Physical Security Equipment | OPN | 2021 | 494 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>Procuring</u>                             | <u>FY Approp</u>          |                                                                 |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                                             |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| C4I Planning & Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OMN                                          | 2020                      | 6,952                                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| C4I Relocation/Install Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OMN                                          | 2021                      | 11,081                                                          |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| C4I Relocation/Install/Systems & New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OPN                                          | 2021                      | 16,997                                                          |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| Capacity Inst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                                 |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| Equipment, VTC System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | RDT&E                                        | 2021                      | 2,662                                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| Mission Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OPN                                          | 2021                      | 4,867                                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| Mission Furniture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OMN                                          | 2021                      | 2,979                                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |
| Physical Security Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OPN                                          | 2021                      | 494                                                             |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |       |                                |     |      |        |                                      |     |      |        |               |  |  |  |                       |       |      |       |                   |     |      |       |                   |     |      |       |                             |     |      |     |

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|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68469(NO)<br>NAVAL SUPPORT ACTIVITY WASH<br>(NAVAL OBSERVATORY)<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA |                                              |                           | 4. Project Title<br>Master Time Clocks & Operations<br>Facility |                        |
| 5. Program Element<br>0301376N                                                                                                                 | 6. Category Code<br>13124                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>115,600                              |                        |
| Activity POC: Project Development Lead      Phone No: 202-433-0447                                                                             |                                              |                           |                                                                 |                        |
|                                                                                                                                                |                                              |                           |                                                                 |                        |

|                                                                                                                                                |                                              |                           |                                                                 |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68469(N0)<br>NAVAL SUPPORT ACTIVITY WASH<br>(NAVAL OBSERVATORY)<br>NAVAL OBSERVATORY, DISTRICT OF COLUMBIA |                                              |                           | 4. Project Title<br>Master Time Clocks & Operations<br>Facility |                        |
| 5. Program Element<br>0301376N                                                                                                                 | 6. Category Code<br>13124                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>115,600                              |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>  |      |     |              |                 |                      |                                                       | 2. Date<br>05 FEB 2018 |                                    |                  |
| 3. Installation and Location: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                                                                                                                                                                                                                                                                                                                                               |                                               |      |     |              |                 |                      | 4. Command<br>Commander Navy<br>Installations Command |                        | 5. Area Const<br>Cost Index<br>.87 |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                            | PERMANENT                                     |      |     | STUDENTS     |                 |                      | SUPPORT                                               |                        |                                    | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             | OFF                                           | ENL  | CIV | OFF          | ENL             | CIV                  | OFF                                                   | ENL                    | CIV                                |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             | 865                                           | 5629 | 260 | 0            | 0               | 0                    | 120                                                   | 168                    | 0                                  | 7042             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             | 937                                           | 5864 | 260 | 0            | 0               | 0                    | 130                                                   | 180                    | 0                                  | 7371             |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |      |     |              |                 |                      |                                                       |                        |                                    |                  |
| A. TOTAL ACREAGE ..(3230 Acres)                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |      |     |              |                 |                      |                                                       |                        |                                    |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |      |     |              |                 |                      |                                                       |                        |                                    | 1,685,638        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                 |                                               |      |     |              |                 |                      |                                                       |                        |                                    | 36,679           |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                            |                                               |      |     |              |                 |                      |                                                       |                        |                                    | 111,460          |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                        |                                               |      |     |              |                 |                      |                                                       |                        |                                    | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                |                                               |      |     |              |                 |                      |                                                       |                        |                                    | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                               |                                               |      |     |              |                 |                      |                                                       |                        |                                    | 1,047,121        |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                 |                                               |      |     |              |                 |                      |                                                       |                        |                                    | <b>2,880,898</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |      |     |              |                 |                      |                                                       |                        |                                    |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |      |     |              |                 | <u>Design Status</u> |                                                       | <u>Cost</u>            |                                    |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>Project Title</u>                          |      |     | <u>Start</u> | <u>Complete</u> |                      |                                                       | <u>Scope</u>           | <u>(\$000)</u>                     |                  |
| 61010                                                                                                                                                                                                                                                                                                                                                                                                                                       | LCS Support Facility                          |      |     | 09/2016      | 05/2018         |                      |                                                       | 0 LS                   | 82,350                             |                  |
| 17135                                                                                                                                                                                                                                                                                                                                                                                                                                       | LCS Operational Training<br>Facility Addition |      |     | 09/2016      | 11/2019         |                      |                                                       | 6122 m2                | 29,110                             |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |      |     |              |                 |                      |                                                       |                        | TOTAL                              | 111,460          |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |      |     |              |                 |                      |                                                       |                        |                                    |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |      |     |              |                 |                      |                                                       |                        |                                    |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                          |                                               |      |     |              |                 |                      |                                                       |                        |                                    |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |      |     |              |                 |                      |                                                       |                        |                                    | 316,396          |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |      |     |              |                 |                      |                                                       |                        |                                    |                  |
| The mission of NS Mayport is to sustain and enhance warfighter readiness. Naval Station Mayport is the third largest fleet concentration area in the United States. Mayport's operational composition includes a harbor capable of accommodating 34 ships and an 8,000-foot runway capable of handling any aircraft in the Department of Defense inventory. With more than 3,400 acres, NS Mayport is host to more than 70 tenant commands. |                                               |      |     |              |                 |                      |                                                       |                        |                                    |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                  |                                               |      |     |              |                 |                      |                                                       |                        |                                    |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |      |     |              |                 |                      |                                                       |                        |                                    | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |      |     |              |                 |                      |                                                       |                        |                                    | 0                |

|                                                                               |                                                       |                                    |
|-------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------|
| 1. Component<br>NAVY                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018             |
| 3. Installation and Location: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>.87 |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                          | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                                                                                                                                                                                                                                                   |                                              |                           | 4. Project Title<br>LCS Support Facility |                        |
| 5. Program Element<br>0911376N                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>61010                    | 7. Project Number<br>P426 | 8. Project Cost (\$000)<br>82,350        |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                          |                        |
| Item                                                                                                                                                                                                                                                                                                                                                 | UM                                           | Quantity                  | Unit Cost                                | Cost(\$000)            |
| LCS SUPPORT FACILITY                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                          | 67,550                 |
| LITTORAL COMBAT SHIP LSF<br>CC61010 (123,031SF)                                                                                                                                                                                                                                                                                                      | m2                                           | 11,430                    | 3,246.53                                 | (37,110)               |
| PARKING FACILITY CC85310                                                                                                                                                                                                                                                                                                                             | VE                                           | 1,335                     | 16,808.8                                 | (22,440)               |
| LCS - LOGISTICS SUPPORT<br>FACILITY (LSF) CC61010 (5,016SF)<br>(RENOVATE)                                                                                                                                                                                                                                                                            | m2                                           | 466                       | 2,148.28                                 | (1,000)                |
| ARMORY PREMIUM                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                          | (70)                   |
| SCIF PREMIUM                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                          | (30)                   |
| SIPR NET PREMIUM                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                          | (120)                  |
| SAPF PREMIUM                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                          | (20)                   |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                          | (3,830)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                          | (2,270)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                          | (660)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                          | 6,650                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                          | (90)                   |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                          | (3,540)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                          | (2,000)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                          | (720)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                          | (300)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                          | 74,200                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                          | 3,710                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                          | 77,910                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                          | 4,440                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                          | 82,350                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                          | 82,350                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                          | 82,350                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                     |                                              |                           |                                          | (14,948)               |
| <b>10. Description of Proposed Construction:</b><br>Constructs a multi-story steel-framed Logistics Support Facility (LSF) with precast concrete wall panels, pitched standing seam metal roof and shallow foundation system. The facility will accommodate Littoral Combat Ship Squadron Command staff, classrooms, operation watch floor, storage, |                                              |                           |                                          |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                          |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                          | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           | 4. Project Title<br>LCS Support Facility |                        |
| 5. Program Element<br>0911376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>61010                    | 7. Project Number<br>P426 | 8. Project Cost (\$000)<br>82,350        |                        |
| <p>administrative office space, video teleconference, conference rooms, auditorium and crew lounge areas to support the Littoral Combat Ship (LCS) mission.</p> <p>Provides a multi-story precast concrete parking garage with pile foundation system and a passenger elevator. Parking facilities will accommodate approximately 1,350 vehicles.</p> <p>Renovates the first and second floors of Building #2480 to accommodate staff relocation to vacated areas of the building.</p> <p>The LSF includes an armory, Sensitive Compartmented Information Facility (SCIF), Secret Internet Protocol Router Network (SIPRNET), Special Access Program Facility (SAPF) and some areas that are classified as Open Storage Secret (OSS).</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built in equipment includes raised access flooring, passenger elevators, operable partitions and emergency generator.</p> <p>Special costs include Post Construction Contract Award Services (PCAS). In addition, this item includes the costs for third party commissioning.</p> <p>Operations and maintenance support information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Pavement facilities include a concrete pad for a back-up generator.</p> <p>Special foundation features include proof rolling and over excavation for the LSF and pile foundations for the garage.</p> <p>Paving and site improvements include grading, sidewalks, site development,</p> |                                              |                           |                                          |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                          |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                          | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           | 4. Project Title<br>LCS Support Facility |                        |
| 5. Program Element<br>0911376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>61010                    | 7. Project Number<br>P426 | 8. Project Cost (\$000)<br>82,350        |                        |
| <p>infrastructure upgrades for widening Bailey Avenue, related traffic and pedestrian safety improvements, curbs, landscaping, signs and stormwater management facilities.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                          |                        |
| <p><b>11. Requirement:</b>                      <b>Adequate:</b>                      <b>Substandard:</b></p> <p><b>PROJECT:</b></p> <p>Constructs a multi-story LSF, a parking structure, and converts/alters portions of Building #2480 to support the LCS mission at Naval Station (NS) Mayport.</p> <p><b>(New Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>The LCS program is designed to maximize efficiency of deployed ships by transferring traditional shipboard training and administrative functions to shore facilities. The LSF provides the ashore component of administrative functions of deployed and in-port ships as well as providing a portion of the training component. Program efficiencies accrue to the Navy both financially and tactically since ashore facilities are less expensive to build and operate than the same capabilities afloat. Without the LSF, LCS would require larger crews and larger hulls and lose much of their tactical advantages over conventional ships. A parking facility is required to support the LCS ashore facilities.</p> <p><b>CURRENT SITUATION:</b></p> <p>LCS began to arrive at NS Mayport in 2016 and will continue at a rate of two per year up to 14 ships by 2022. Existing LSF space reached saturation in FY17 requiring use of 11 temporary facilities and by January 2018 an additional five temporary facilities will be required at NS Mayport. This capacity gap will continue to widen and require up to 40 temporary facilities. The LCS CONOPS requires LSF facilities to be in place two years in advance of ship arrival in order to meet training requirements. Existing space in Building #448, Building #2480 and temporary facilities will lag behind program growth until this project is completed. The current situation is a temporary workaround and is unsustainable to support full mission operational capability.</p> <p>This project is not sited in a 100-year flood plain.</p> |                                              |                           |                                          |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                          | 2. Date<br>05 FEB 2018 |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
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| 3. Installation(SA)& Location/UIC: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           | 4. Project Title<br>LCS Support Facility |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| 5. Program Element<br>0911376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>61010                    | 7. Project Number<br>P426 | 8. Project Cost (\$000)<br>82,350        |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| <b>IMPACT IF NOT PROVIDED:</b><br>Without the LSF, both the Squadron and ship crews cannot be adequately supported by existing shore facilities due primarily to over-crowding which will severely impact CONOPS and mission capability.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                          |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 09/2016<br>(B) Date 35% Design or Parametric Cost Estimate complete 08/2017<br>(C) Date design completed 05/2018<br>(D) Percent completed as of September 2017 35%<br>(E) Percent completed as of January 2018 60%<br>(F) Type of design contract Design Bid Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed No<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$4,940<br>(B) All other design costs \$2,470<br>(C) Total \$7,410<br>(D) Contract \$1,030<br>(E) In-house \$6,380<br>4. Contract award: 01/2019<br>5. Construction start: 03/2019<br>6. Construction complete: 04/2021<br>B. Equipment associated with this project which will be provided from other appropriations:<br><table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Computers &amp; Audiovisual Equipment</td> <td>OPN</td> <td>2020</td> <td>2,950</td> </tr> <tr> <td>ESS Equipment dual funded</td> <td>OPN</td> <td>2020</td> <td>250</td> </tr> <tr> <td>Furniture, Fixtures and Equipment</td> <td>OMN</td> <td>2020</td> <td>7,067</td> </tr> <tr> <td>Re-locatable Building</td> <td>OPN</td> <td>2020</td> <td>827</td> </tr> <tr> <td>SPAWAR Support Services</td> <td>OPN</td> <td>2020</td> <td>468</td> </tr> <tr> <td>Smart Grid Equipment</td> <td>OPN</td> <td>2020</td> <td>30</td> </tr> <tr> <td>VTC Equipment</td> <td>OPN</td> <td>2020</td> <td>3,355</td> </tr> </tbody> </table> |                                              |                           |                                          |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> | <u>Cost (\$000)</u> | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> |  | Computers & Audiovisual Equipment | OPN | 2020 | 2,950 | ESS Equipment dual funded | OPN | 2020 | 250 | Furniture, Fixtures and Equipment | OMN | 2020 | 7,067 | Re-locatable Building | OPN | 2020 | 827 | SPAWAR Support Services | OPN | 2020 | 468 | Smart Grid Equipment | OPN | 2020 | 30 | VTC Equipment | OPN | 2020 | 3,355 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u>Procuring</u>                             | <u>FY Approp</u>          | <u>Cost (\$000)</u>                      |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u>Approp</u>                                | <u>or Requested</u>       |                                          |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| Computers & Audiovisual Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | OPN                                          | 2020                      | 2,950                                    |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| ESS Equipment dual funded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OPN                                          | 2020                      | 250                                      |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | OMN                                          | 2020                      | 7,067                                    |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| Re-locatable Building                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OPN                                          | 2020                      | 827                                      |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| SPAWAR Support Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OPN                                          | 2020                      | 468                                      |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| Smart Grid Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | OPN                                          | 2020                      | 30                                       |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| VTC Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OPN                                          | 2020                      | 3,355                                    |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |
| <b>JOINT USE CERTIFICATION:</b><br>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                          |                        |                  |                  |                  |                     |                     |               |                     |  |                                   |     |      |       |                           |     |      |     |                                   |     |      |       |                       |     |      |     |                         |     |      |     |                      |     |      |    |               |     |      |       |

|                                                                                                                                                                                                                                        |                                              |                           |                                          |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                          | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                                                                                                                                     |                                              |                           | 4. Project Title<br>LCS Support Facility |                        |
| 5. Program Element<br>0911376N                                                                                                                                                                                                         | 6. Category Code<br>61010                    | 7. Project Number<br>P426 | 8. Project Cost (\$000)<br>82,350        |                        |
| <p>Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.</p> <p>Activity POC: Project Development Lead      Phone No: 904-270-5207</p> |                                              |                           |                                          |                        |

|                                                                                    |                                              |                           |                                          |                        |
|------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                          | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA |                                              |                           | 4. Project Title<br>LCS Support Facility |                        |
| 5. Program Element<br>0911376N                                                     | 6. Category Code<br>61010                    | 7. Project Number<br>P426 | 8. Project Cost (\$000)<br>82,350        |                        |
| <p><b>Blank Page</b></p>                                                           |                                              |                           |                                          |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           | 4. Project Title<br>LCS Operational Training<br>Facility Addition |                        |
| 5. Program Element<br>0815976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>17135                    | 7. Project Number<br>P427 | 8. Project Cost (\$000)<br>29,110                                 |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                                   |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | UM                                           | Quantity                  | Unit Cost                                                         | Cost(\$000)            |
| LCS OPERATIONAL TRAINING FACILITY<br>ADDITION (65,897SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | m2                                           | 6,122                     |                                                                   | 23,990                 |
| LCS TRAINING FACILITY CC17135<br>(65,897SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | m2                                           | 6,122                     | 3,333.6                                                           | (20,410)               |
| SIPRNET PREMIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                                                   | (60)                   |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                                                   | (1,640)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                                   | (1,650)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                                   | (230)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                   | 1,320                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                                                   | (120)                  |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                                   | (280)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                                   | (430)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                                   | (240)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                                   | (250)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                                   | 25,310                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                                   | 1,270                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                                   | 26,580                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                                   | 1,520                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                                   | 28,100                 |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                   | 1,010                  |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                   | 29,110                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                                   | 29,110                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                                   | (55,202)               |
| <b>10. Description of Proposed Construction:</b><br><br>Constructs a low-rise steel-framed Littoral Combat Ship (LCS) Operational Training Facility (LTF), with reinforced concrete bearing walls, low-sloped two-ply modified bituminous roof membrane system and a shallow foundation system. The facility will include specialized training spaces such as systems trainers, classrooms, personnel support space and applied instruction space.<br><br>The entire facility is classified as Open Storage Secret (OSS). |                                              |                           |                                                                   |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                   |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-------------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>LCS Operational Training<br>Facility Addition |                        |
| 5. Program Element<br>0815976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>17135                    | 7. Project Number<br>P427 | 8. Project Cost (\$000)<br>29,110                                 |                        |
| <p>Information systems include basic telephone, computer network, fiber optic, cable television, security and fire alarm systems and infrastructure.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes a passenger elevator, raised access flooring and operable partitions.</p> <p>Special costs include Post Construction Award Services (PCAS). In addition, this item includes the costs for third party commissioning.</p> <p>Operations and maintenance support information is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                                   |                        |
| <b>11. Requirement:</b> <u>6,122 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs a low-rise LTF to support LCS training requirements at Naval Station Mayport.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b><br>The LCS program is designed to maximize efficiency of deployed ships by transferring traditional shipboard training and administrative functions to shore facilities. The LTF provides the ashore component of crew training functions for in-port ships and off-hull crews. Program efficiencies accrue to the Navy both financially and tactically since ashore facilities are less expensive to build and operate than the same capabilities afloat. Without the LTF, LCS would require larger crews and larger hulls and lose much of their tactical advantages over conventional ships.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                                   |                        |



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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                   | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| 3. Installation(SA)& Location/UIC: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           | 4. Project Title<br>LCS Operational Training<br>Facility Addition |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| 5. Program Element<br>0815976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>17135                    | 7. Project Number<br>P427 | 8. Project Cost (\$000)<br>29,110                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| <p><b>CURRENT SITUATION:</b></p> <p>LCS began to arrive at NS Mayport in 2016 and will continue at a rate of two per year up to 14 ships. LTF functions are currently being met by workarounds utilizing temporary space at NS Mayport and training capabilities at Naval Base San Diego. The LCS Concept of Operations (CONOPS) requires LTF facilities to be in place two years in advance of ship arrival in order to meet training requirements. Construction of an Integrated Tactical Trainer in Building #1388 and LCS Operational Training Facility (FY15 P423) will provide partial training capability until this project is completed. However, the current situation is a temporary workaround and is unsustainable to support full mission operational capability.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Without the LTF, both the Squadron and ship crews cannot be adequately trained by existing shore facilities due primarily to over-crowding which will severely impact CONOPS and mission capability.</p>                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2016</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>03/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>11/2019</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>35%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>Yes</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$580</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$870</td> </tr> <tr> <td>(C) Total</td> <td>\$1,450</td> </tr> <tr> <td>(D) Contract</td> <td>\$290</td> </tr> <tr> <td>(E) In-house</td> <td>\$1,160</td> </tr> </table> <p>4. Contract award: 01/2019</p> <p>5. Construction start: 09/2019</p> <p>6. Construction complete: 12/2020</p> |                                              |                           |                                                                   |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 03/2017 | (C) Date design completed | 11/2019 | (D) Percent completed as of September 2017 | 35% | (E) Percent completed as of January 2018 | 35% | (F) Type of design contract | Design Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | Yes | (A) Standard or Definitive Design | No | (B) Where design was previously used |  | (A) Production of plans and specifications | \$580 | (B) All other design costs | \$870 | (C) Total | \$1,450 | (D) Contract | \$290 | (E) In-house | \$1,160 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 09/2016                                      |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 03/2017                                      |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11/2019                                      |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 35%                                          |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 35%                                          |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Design Build                                 |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Yes                                          |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                          |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                           |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$580                                        |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$870                                        |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$1,450                                      |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$290                                        |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$1,160                                      |                           |                                                                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |                                            |       |                            |       |           |         |              |       |              |         |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                                         |                                                                   | 2. Date<br>05 FEB 2018 |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------|-------------------------------------------------------------------|------------------------|-----------------------------------------|-----------------------------------|-----------------------------------------|---------------------|--------------------------------------|-----|------|-----|---------------------------------------------------|-----|------|-------|--------------------------------------|-----|------|--------|------------------------------------|-----|------|-------|-------------|-----|------|-----|--------------------------------------------|-----|------|-----|----------------------|-----|------|----|
| 3. Installation(SA)& Location/UIC: N60201<br>NAVSTA MAYPORT FL<br>MAYPORT, FLORIDA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                                         | 4. Project Title<br>LCS Operational Training<br>Facility Addition |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| 5. Program Element<br>0815976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6. Category Code<br>17135                    | 7. Project Number<br>P427               | 8. Project Cost (\$000)<br>29,110                                 |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u><br/><u>Nomenclature</u></th> <th><u>Procuring</u><br/><u>Approp</u></th> <th><u>FY Approp</u><br/><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Computer Workstations (Virtual Labs)</td> <td>OPN</td> <td>2020</td> <td>660</td> </tr> <tr> <td>Furniture, Fixtures, Equipment and Package Office</td> <td>OMN</td> <td>2020</td> <td>1,211</td> </tr> <tr> <td>ITT Bridge Trainer, VR labs, servers</td> <td>OPN</td> <td>2020</td> <td>50,300</td> </tr> <tr> <td>NMCI Computers, VTC, and AV Equip.</td> <td>OPN</td> <td>2020</td> <td>2,301</td> </tr> <tr> <td>Network Lab</td> <td>OPN</td> <td>2020</td> <td>346</td> </tr> <tr> <td>SIPR Equipment/Physical Security (PSS/ESS)</td> <td>OPN</td> <td>2020</td> <td>354</td> </tr> <tr> <td>Smart Grid Equipment</td> <td>OPN</td> <td>2020</td> <td>30</td> </tr> </tbody> </table> |                                              |                                         |                                                                   |                        | <u>Equipment</u><br><u>Nomenclature</u> | <u>Procuring</u><br><u>Approp</u> | <u>FY Approp</u><br><u>or Requested</u> | <u>Cost (\$000)</u> | Computer Workstations (Virtual Labs) | OPN | 2020 | 660 | Furniture, Fixtures, Equipment and Package Office | OMN | 2020 | 1,211 | ITT Bridge Trainer, VR labs, servers | OPN | 2020 | 50,300 | NMCI Computers, VTC, and AV Equip. | OPN | 2020 | 2,301 | Network Lab | OPN | 2020 | 346 | SIPR Equipment/Physical Security (PSS/ESS) | OPN | 2020 | 354 | Smart Grid Equipment | OPN | 2020 | 30 |
| <u>Equipment</u><br><u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>Procuring</u><br><u>Approp</u>            | <u>FY Approp</u><br><u>or Requested</u> | <u>Cost (\$000)</u>                                               |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| Computer Workstations (Virtual Labs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OPN                                          | 2020                                    | 660                                                               |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| Furniture, Fixtures, Equipment and Package Office                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OMN                                          | 2020                                    | 1,211                                                             |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| ITT Bridge Trainer, VR labs, servers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OPN                                          | 2020                                    | 50,300                                                            |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| NMCI Computers, VTC, and AV Equip.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | OPN                                          | 2020                                    | 2,301                                                             |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| Network Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OPN                                          | 2020                                    | 346                                                               |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| SIPR Equipment/Physical Security (PSS/ESS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OPN                                          | 2020                                    | 354                                                               |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| Smart Grid Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OPN                                          | 2020                                    | 30                                                                |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                                         |                                                                   |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |
| <p>Activity POC: Project Development Lead      Phone No: 904-270-5207</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                                         |                                                                   |                        |                                         |                                   |                                         |                     |                                      |     |      |     |                                                   |     |      |       |                                      |     |      |        |                                    |     |      |       |             |     |      |     |                                            |     |      |     |                      |     |      |    |

|                                                                                                                                                                                                                                                                           |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------|-----------------|--------------|-------------------------------------------------------|-------------|---------|-------------------------------------|-----|-------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>   |                      |                 |              |                                                       |             |         | 2. Date<br>05 FEB 2018              |     |       |
| 3. Installation and Location: N62813<br>JBPHH PEARL HARBOR HI<br>JOINT BASE PEARL HARBOR-HICKAM, HAWAII                                                                                                                                                                   |                                                |                      |                 |              | 4. Command<br>Commander Navy<br>Installations Command |             |         | 5. Area Const<br>Cost Index<br>2.27 |     |       |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                          | PERMANENT                                      |                      |                 | STUDENTS     |                                                       |             | SUPPORT |                                     |     | TOTAL |
|                                                                                                                                                                                                                                                                           | OFF                                            | ENL                  | CIV             | OFF          | ENL                                                   | CIV         | OFF     | ENL                                 | CIV |       |
|                                                                                                                                                                                                                                                                           | 1762                                           | 8424                 | 9099            | 0            | 0                                                     | 0           | 282     | 362                                 | 0   | 19929 |
|                                                                                                                                                                                                                                                                           | 1669                                           | 8024                 | 9099            | 0            | 0                                                     | 0           | 282     | 362                                 | 0   | 19436 |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                          |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| A. TOTAL ACREAGE ..(6178 Acres)                                                                                                                                                                                                                                           |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| B. INVENTORY AS OF 30 SEP 2017 ..... 17,561,328                                                                                                                                                                                                                           |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| C. AUTHORIZATION NOT YET IN INVENTORY ..... 79,052                                                                                                                                                                                                                        |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM ..... 45,000                                                                                                                                                                                                                   |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ..... 0                                                                                                                                                                                                                    |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| F. PLANNED IN NEXT THREE PROGRAM YEARS ..... 146,855                                                                                                                                                                                                                      |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| G. REMAINING DEFICIENCY ..... 1,650,751                                                                                                                                                                                                                                   |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| H. <b>GRAND TOTAL</b> ..... <b>19,482,986</b>                                                                                                                                                                                                                             |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                     |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| <u>Cat</u>                                                                                                                                                                                                                                                                |                                                | <u>Design Status</u> |                 |              |                                                       | <u>Cost</u> |         |                                     |     |       |
| <u>Code</u>                                                                                                                                                                                                                                                               | <u>Project Title</u>                           | <u>Start</u>         | <u>Complete</u> | <u>Scope</u> | <u>(\$000)</u>                                        |             |         |                                     |     |       |
| 21370                                                                                                                                                                                                                                                                     | Drydock Waterfront Facility                    | 07/2012              | 11/2016         | 2762 m2      | 45,000                                                |             |         |                                     |     |       |
|                                                                                                                                                                                                                                                                           |                                                |                      |                 |              | TOTAL                                                 | 45,000      |         |                                     |     |       |
| 9. Future Projects:                                                                                                                                                                                                                                                       |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| A. Included In The Following Program:                                                                                                                                                                                                                                     |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                        |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| WATERFRONT IMPROVEMENTS WHARVES S1, S8 - S13, S20-21                                                                                                                                                                                                                      |                                                |                      |                 |              | 73,700                                                |             |         |                                     |     |       |
| 15150                                                                                                                                                                                                                                                                     | Submarine Maintenance Pier                     |                      |                 |              | 40,085                                                |             |         |                                     |     |       |
| 81232                                                                                                                                                                                                                                                                     | Submarine Maintenance Electrical Utility Impvs |                      |                 |              | 33,070                                                |             |         |                                     |     |       |
|                                                                                                                                                                                                                                                                           |                                                |                      |                 |              | TOTAL                                                 | 146,855     |         |                                     |     |       |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                      |                                                |                      |                 |              | 5,209,114                                             |             |         |                                     |     |       |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                           |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| Joint Base Pearl Harbor delivers best-value base operating support to supported and tenant commands enabling their operational mission success while simultaneously providing the highest quality installation services, facilities support and quality of life programs. |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                |                                                |                      |                 |              |                                                       |             |         |                                     |     |       |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                |                                                |                      |                 |              |                                                       |             |         |                                     |     | 0     |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                |                                                |                      |                 |              |                                                       |             |         |                                     |     | 0     |

|                                                                                                         |                                              |                                                       |                                     |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                                                       | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N62813<br>JBPHH PEARL HARBOR HI<br>JOINT BASE PEARL HARBOR-HICKAM, HAWAII |                                              | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>2.27 |
| <p><b>Blank Page</b></p>                                                                                |                                              |                                                       |                                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                 |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62813<br>JBPHH PEARL HARBOR HI<br>JOINT BASE PEARL HARBOR-HICKAM, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>Drydock Waterfront Facility |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21370                    | 7. Project Number<br>P214 | 8. Project Cost (\$000)<br>45,000               |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                 |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | UM                                           | Quantity                  | Unit Cost                                       | Cost(\$000)            |
| DRYDOCK WATERFRONT FACILITY<br>(29,730SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | m2                                           | 2,762                     |                                                 | 15,700                 |
| DRYDOCK WATERFRONT FACILITY<br>CC21370 (29,730SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | m2                                           | 2,762                     | 4,751.21                                        | (13,120)               |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                 | (1,580)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                 | (850)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                 | (150)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                 | 24,650                 |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                 | (2,830)                |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                 | (1,260)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                 | (500)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                 | (6,330)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                 | (13,160)               |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                                 | (570)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                 | 40,350                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                 | 2,020                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                 | 42,370                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                 | 2,630                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                 | 45,000                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                 | 45,000                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                 | 45,000                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                 | (1,152)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                 |                        |
| <p>Constructs a new low rise waterfront facility with concrete slab-on-grade and pile supported foundation. The facility will include production shop spaces, meeting/conference rooms, break rooms, restrooms, administrative and engineering areas, and project management and project team spaces.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes passenger elevators, a jib crane, and emergency</p> |                                              |                           |                                                 |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                 |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62813<br>JBPHH PEARL HARBOR HI<br>JOINT BASE PEARL HARBOR-HICKAM, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           | 4. Project Title<br>Drydock Waterfront Facility |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>21370                    | 7. Project Number<br>P214 | 8. Project Cost (\$000)<br>45,000               |                        |
| <p>generators.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes site demolition, earthwork, and contaminated soil mitigation.</p> <p>Special foundation features include piles.</p> <p>Electrical utilities include primary and secondary electrical distribution systems, transformer, and telecommunications distribution system.</p> <p>Mechanical utilities include water distribution, storm drainage system, sanitary sewer system, and a sanitary sewer lift station.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DOD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                 |                        |
| <p><b>11. Requirement:</b>    <u>2,762 m2</u>    <b>Adequate:</b>                      <b>Substandard:</b></p> <p><b>PROJECT:</b></p> <p>Provides a permanent waterfront facility between Drydocks 2 and 3 that centralizes and consolidates planning and production personnel who directly support major submarine availabilities during drydocking. This facility will allow for more efficient operations, increase mission assurance and quality of service, reduce operating costs, satisfy space and infrastructure requirements and ensure worker safety.</p> <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                 |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                 |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62813<br>JBPHH PEARL HARBOR HI<br>JOINT BASE PEARL HARBOR-HICKAM, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           | 4. Project Title<br>Drydock Waterfront Facility |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Category Code<br>21370                    | 7. Project Number<br>P214 | 8. Project Cost (\$000)<br>45,000               |                        |
| <p>This project is required to support critical drydocking work vital to the maintenance of submarines and ships homeported at Pearl Harbor. Critical to the success of any project team is housing its members in functional, adequately sized and professionally equipped contiguous work spaces in very close proximity to its ships/submarines. The consolidated project team is composed of project management (planning and engineering) and production shops.</p> <p>The Navy's Fleet Response Plan will keep more ships in a higher state of readiness and surge potential. This will require a high state of readiness and efficiency on mission critical Naval Shipyard assets, especially the drydocks and production shops. Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility (PHNSY&amp;IMF) supports Los Angeles (SSN688) and Virginia (SSN774) class submarines, and Arleigh Burke (DDG), Ticonderoga (CG), Oliver Hazard Perry (FFG) and Safeguard (ARS) class surface ships.</p> <p><b>CURRENT SITUATION:</b></p> <p>There are three drydocks within the PHNSY&amp;IMF Controlled Industrial Area. The intermediate caisson at Drydock 2 allows for a fourth docking location to support planned depot maintenance work as well as emergent docking requirements.</p> <p>The concept of operations has changed from the time the shipyard was constructed. Components would be removed from the ship and taken to the shop where the repairs would take place. These large back shops performed roughly 60 percent of the project work, with ripout and reinstallation the large part of the waterfront work. The ratio has changed to doing the 80 percent of the work within the submarine/ship adjacent to the worksite and 20 percent in the back shop. This change required that the shipyard workers operate closer to the drydocks currently in temporary relocatable facilities.</p> <p>The only permanent project facilities at PHNSY&amp;IMF to support drydock work are located in Building #2192 and Building #2193. These buildings do not provide the most efficient work space and are not capable of supporting a Depot Modernization Period or an Engineering Overhaul availability team. This results in approximately half of the project team and production shop personnel working out of a multitude of temporary relocatable facilities and substandard buildings and tents surrounding the drydock. Temporary structures present numerous physical deficiencies and insufficient operational space. In addition, workers waste man-hours repeatedly erecting and disassembling tents; transporting and setting up trailers and</p> |                                              |                           |                                                 |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                                 | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| 3. Installation(SA)& Location/UIC: N62813<br>JBPHH PEARL HARBOR HI<br>JOINT BASE PEARL HARBOR-HICKAM, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |                           | 4. Project Title<br>Drydock Waterfront Facility |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6. Category Code<br>21370             | 7. Project Number<br>P214 | 8. Project Cost (\$000)<br>45,000               |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| <p>shacks, and providing temporary power and communications. This wasteful process is repeated whenever there is a high wind or storm warning.</p> <p>This project is not located in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>The shipyard will be unable to provide adequate facilities to support critical drydocking work vital to the maintenance of submarines and surface ships. The result is loss of efficiency and productivity, which directly and adversely impacts Fleet maintenance costs, schedules, and ship availability. Working out of makeshift shacks, tents, and trailers is also a quality of life issue for workers with potential safety/health risks caused by temporary utilities and electrical appliances in an outdoor environment.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>07/2012</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>02/2013</td> </tr> <tr> <td>(C) Date design completed</td> <td>11/2016</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>100%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>100%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>No</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>Yes</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$2,700</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$1,350</td> </tr> <tr> <td>(C) Total</td> <td>\$4,050</td> </tr> <tr> <td>(D) Contract</td> <td>\$3,263</td> </tr> <tr> <td>(E) In-house</td> <td>\$787</td> </tr> </table> <p>4. Contract award: 01/2019</p> <p>5. Construction start: 02/2019</p> <p>6. Construction complete: 12/2020</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table> <tr> <td><u>Equipment</u></td> <td><u>Procuring</u></td> <td><u>FY Approp</u></td> <td></td> </tr> <tr> <td><u>Nomenclature</u></td> <td><u>Approp</u></td> <td><u>or Requested</u></td> <td><u>Cost (\$000)</u></td> </tr> <tr> <td>Collateral Equipment</td> <td>OMN</td> <td>2020</td> <td>1,152</td> </tr> </table> |                                       |                           |                                                 |                        | (A) Date design or Parametric Cost Estimate started | 07/2012 | (B) Date 35% Design or Parametric Cost Estimate complete | 02/2013 | (C) Date design completed | 11/2016 | (D) Percent completed as of September 2017 | 100% | (E) Percent completed as of January 2018 | 100% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | No | (A) Standard or Definitive Design | Yes | (B) Where design was previously used |  | (A) Production of plans and specifications | \$2,700 | (B) All other design costs | \$1,350 | (C) Total | \$4,050 | (D) Contract | \$3,263 | (E) In-house | \$787 | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Collateral Equipment | OMN | 2020 | 1,152 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 07/2012                               |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 02/2013                               |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 11/2016                               |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100%                                  |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100%                                  |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Design Bid Build                      |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Yes                                   |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                    |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes                                   |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$2,700                               |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$1,350                               |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$4,050                               |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$3,263                               |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$787                                 |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>Procuring</u>                      | <u>FY Approp</u>          |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>Approp</u>                         | <u>or Requested</u>       | <u>Cost (\$000)</u>                             |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |
| Collateral Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OMN                                   | 2020                      | 1,152                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |      |                                          |      |                             |                  |                                              |     |                                                |    |                                   |     |                                      |  |                                            |         |                            |         |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |       |



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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62813<br>JBPHH PEARL HARBOR HI<br>JOINT BASE PEARL HARBOR-HICKAM, HAWAII                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>Drydock Waterfront Facility |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>21370                    | 7. Project Number<br>P214 | 8. Project Cost (\$000)<br>45,000               |                        |
| <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p> <p>Activity POC: Project Development Lead      Phone No: 808-473-8000</p> |                                              |                           |                                                 |                        |

|                                                                                                              |                                              |                           |                                                 |                        |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62813<br>JBPHH PEARL HARBOR HI<br>JOINT BASE PEARL HARBOR-HICKAM, HAWAII |                                              |                           | 4. Project Title<br>Drydock Waterfront Facility |                        |
| 5. Program Element<br>0712876N                                                                               | 6. Category Code<br>21370                    | 7. Project Number<br>P214 | 8. Project Cost (\$000)<br>45,000               |                        |
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------|------|--------------|-----------------|----------------------|-------------------------------------------------|------------------------|------------------------------------|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |      |      |              |                 |                      |                                                 | 2. Date<br>05 FEB 2018 |                                    |                  |
| 3. Installation and Location: M00318<br>MARINE CORPS BASE HAWAII<br>KANEHOE BAY, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |      |      |              |                 |                      | 4. Command<br>Commandant of the<br>Marine Corps |                        | 5. Area Const<br>Cost Index<br>2.5 |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PERMANENT                                    |      |      | STUDENTS     |                 |                      | SUPPORT                                         |                        |                                    | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | OFF                                          | ENL  | CIV  | OFF          | ENL             | CIV                  | OFF                                             | ENL                    | CIV                                |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1014                                         | 7504 | 1272 | 42           | 1855            | 1                    | 0                                               | 0                      | 7040                               | 18728            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1032                                         | 7538 | 1274 | 41           | 1856            | 0                    | 0                                               | 0                      | 7040                               | 18781            |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |      |      |              |                 |                      |                                                 |                        |                                    |                  |
| A. TOTAL ACREAGE ..(2832 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |      |      |              |                 |                      |                                                 |                        |                                    |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |      |      |              |                 |                      |                                                 |                        |                                    | 4,909,149        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |      |      |              |                 |                      |                                                 |                        |                                    | 419,627          |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |      |      |              |                 |                      |                                                 |                        |                                    | 66,100           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |      |      |              |                 |                      |                                                 |                        |                                    | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |      |      |              |                 |                      |                                                 |                        |                                    | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |      |      |              |                 |                      |                                                 |                        |                                    | 1,484,258        |
| <b>H. GRAND TOTAL .....</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |      |      |              |                 |                      |                                                 |                        |                                    | <b>6,879,134</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |      |      |              |                 |                      |                                                 |                        |                                    |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |      |      |              |                 | <u>Design Status</u> |                                                 | <u>Cost</u>            |                                    |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>Project Title</u>                         |      |      | <u>Start</u> | <u>Complete</u> | <u>Scope</u>         | <u>(\$000)</u>                                  |                        |                                    |                  |
| 21103                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Corrosion Control Hangar                     |      |      | 12/2016      | 06/2018         | 7342 m2              | 66,100                                          |                        |                                    |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |      |      |              |                 |                      | TOTAL                                           | 66,100                 |                                    |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |      |      |              |                 |                      |                                                 |                        |                                    |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |      |      |              |                 |                      |                                                 |                        |                                    |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |      |      |              |                 |                      |                                                 |                        |                                    |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |      |      |              |                 |                      |                                                 |                        |                                    | 923,811          |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |      |      |              |                 |                      |                                                 |                        |                                    |                  |
| MCB Hawaii supports the combat readiness of 3rd Marine Expeditionary Force units by providing training, logistic, garrison, mobilization and deployment support and a wide range of quality of life services including housing, safety and security, medical and dental care, family services, off-duty education and recreation. Additionally, the installation supports and enhances the combat readiness of 1st Marine Aircraft Wing units and other Department of Defense units. MCB Hawaii supports Marine Forces Pacific Headquarters personnel. |                                              |      |      |              |                 |                      |                                                 |                        |                                    |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |      |      |              |                 |                      |                                                 |                        |                                    |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |      |      |              |                 |                      |                                                 |                        |                                    | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |      |      |              |                 |                      |                                                 |                        |                                    | 0                |

|                                                                                         |                                                 |                                    |
|-----------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------|
| 1. Component<br>NAVY                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>    | 2. Date<br>05 FEB 2018             |
| 3. Installation and Location: M00318<br>MARINE CORPS BASE HAWAII<br>KANEHOE BAY, HAWAII | 4. Command<br>Commandant of the<br>Marine Corps | 5. Area Const<br>Cost Index<br>2.5 |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00318<br>MARINE CORPS BASE HAWAII<br>KANEEOHE BAY, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>Corrosion Control Hangar |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6. Category Code<br>21103                    | 7. Project Number<br>P946 | 8. Project Cost (\$000)<br>66,100            |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                              |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | UM                                           | Quantity                  | Unit Cost                                    | Cost(\$000)            |
| CORROSION CONTROL HANGAR<br>(79,029SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | m2                                           | 7,342                     |                                              | 50,790                 |
| CORROSION CONTROL HANGAR<br>CC21103 (31,872SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | m2                                           | 2,961                     | 6,707.01                                     | (19,860)               |
| PARKING FACILITY CC85310<br>(47,157SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | m2                                           | 4,381                     | 1,169.34                                     | (5,120)                |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                              | (20,580)               |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                              | (4,740)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                              | (490)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                              | 8,490                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                              | (1,270)                |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                              | (2,280)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                              | (1,790)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                              | (1,120)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                              | (890)                  |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                              | (1,140)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                              | 59,280                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                              | 2,960                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                              | 62,240                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                              | 3,860                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                              | 66,100                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                              | 66,100                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                              | 66,100                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                              | (1,000)                |
| <b>10. Description of Proposed Construction:</b><br>Constructs a steel-framed hangar with steel roof deck supported by structural steel beams and trusses and shallow concrete footings. Walls will be precast concrete and ribbed insulated metal panel. The hangar bay floor will be slab on grade with embedded grounding grid and trench system. The facility provides one bay for aircraft depaint operations, one bay for paint operations, support spaces, storage, hazardous material storage, administrative areas and equipment storage. |                                              |                           |                                              |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                              |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00318<br>MARINE CORPS BASE HAWAII<br>KANE OHE BAY, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           | 4. Project Title<br>Corrosion Control Hangar |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>21103                    | 7. Project Number<br>P946 | 8. Project Cost (\$000)<br>66,100            |                        |
| <p>Constructs a parking facility to provide approximately 130 parking spaces. The parking facility will be open air, cast in place concrete with an elevated parking deck and an asphaltic concrete ground level. Exterior will be painted finished concrete and extruded metal infill grid panels. Concrete masonry unit walls will enclose an electrical room and stairs. Concrete columns will be supported by concrete pile caps on precast piles.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with Department of Defense Minimum Anti-Terrorism Standards for Buildings.</p> <p>The built-in equipment for the corrosion control hangar includes Aqueous Film Forming Foam (AFFF) fire suppression system, two monorail cranes (3-ton), and paint booth equipment.</p> <p>Special costs include post construction contract award services (PCAS). Special costs also include gross receipts tax, geospatial survey and mapping, archeological monitoring, and enhanced commissioning.</p> <p>Operations and maintenance support information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes earthwork in preparation for construction and removal of contaminated soil.</p> <p>Special foundation features include precast piles for the parking facility.</p> <p>Paving and site improvements include airfield pavement and shoulder, access roads, approximately six parking spaces (in addition to the parking facility), curbs, sidewalks, trash enclosures, retaining walls, landscaping, security fencing with vehicular and personnel gates, patching and restriping of an existing parking lot, and demolition of asphalt pavement and fencing.</p> <p>Electrical utilities include secondary electrical distribution, pad-mounted</p> |                                              |                           |                                              |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                              |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00318<br>MARINE CORPS BASE HAWAII<br>KANEEOHE BAY, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           | 4. Project Title<br>Corrosion Control Hangar |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>21103                    | 7. Project Number<br>P946 | 8. Project Cost (\$000)<br>66,100            |                        |
| <p>transformers, area lighting and telecommunication/local area network. An existing photovoltaic array located on the parking facility site will be relocated.</p> <p>The existing corrosion control hangar #5069 (1637 M2) will be demolished upon completion of this project as the functions it houses now will be relocated to the new corrosion control hangar.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                              |                        |
| <b>11. Requirement:</b> <u>7,342 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs a new aircraft stripping and painting facility for Marine Aviation Logistics Squadron 24 (MAL5-24) and Fleet Readiness Center Southwest (FRCSW) Detachment Kaneohe Bay.<br><br>Constructs parking facilities to support personnel working at the corrosion control hangar and other facilities in the area.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b><br>A facility is required for paint preparation and painting to support the maintenance of H-1, H-60, CH-53 and MV-22 series aircraft.<br><br>Parking facilities are required to serve personnel working at the hangar and at other facilities in the area, to replace parking areas that violate minimum AT/FP standoff distances, to comply with physical security requirements restricting vehicle access to flightline, and to address pedestrian safety concerns.<br><b>CURRENT SITUATION:</b><br>MAL5-24 and FRCSW inspect aircraft and conduct depot-level preventative maintenance in Hangar #5069, including painting and stripping. It was designed and built in 1990 for general F/A-18 corrosion control and does not have sufficient height clearance to allow MV-22s to rotate their nacelles. It was not designed for plastic media blast (PMB) operations and does not provide proper air filtration and volatile organic compound (VOC) control measures. Ongoing maintenance issues with the hangar contribute to an average delay of four workdays per aircraft undergoing strip and paint. |                                              |                           |                                              |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                              |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00318<br>MARINE CORPS BASE HAWAII<br>KANEEOHE BAY, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>Corrosion Control Hangar |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>21103                    | 7. Project Number<br>P946 | 8. Project Cost (\$000)<br>66,100            |                        |
| <p>Major issues are as follows:</p> <ul style="list-style-type: none"> <li>- AFFF system is degraded and has inadvertently activated on numerous occasions. Incremental repairs to the system have been unsuccessful. System is currently turned off.</li> <li>- Water-based fire suppression system has erroneously activated on several occasions. System currently only turned on when aircraft are in the hangar.</li> <li>- Intermittent hangar door failures due to internal corrosion and wear.</li> <li>- Two large roof exhaust fans currently non-operational.</li> <li>- Plastic media and paint can enter the drainage system.</li> <li>- Inadequate overhead lighting to perform strip and paint.</li> <li>- Inoperable breathable air ports for use with respirators.</li> <li>- Ventilation control system malfunctions.</li> <li>- Portable PMB booth requires extensive maintenance to maintain in operational status.</li> <li>- No capability to recycle plastic media. Each aircraft utilizes between 8-12 barrels of media (approximately \$1,500 per barrel and \$400 disposal per barrel).</li> </ul> <p>The flight line south area where the hangar will be located has a significant deficit of parking for the personnel working in the hangars and surrounding facilities. This zone has very little unconstrained open space, and existing open areas are committed to future projects, training, or other support activities. The zone has a requirement of approximately 1,259 spaces, but only 863 spaces are available. Several designated parking areas do not meet the required AT/FP standoff distances to adjacent buildings and are located within the flightline restricted area. Lack of sidewalks and heavy traffic conditions put service members at risk during the long walk between hangars and existing parking.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>If the corrosion control hangar is not provided, MALS-24 and FRCSW will continue to utilize an existing hangar that cannot accommodate PMB paint stripping. Additionally, the delays associated with the lack of adequate facilities will contribute to a reduction in readiness of the aircraft due to the inability to efficiently conduct maintenance at MCAS Kaneohe Bay. Corrosion is the number one depot induction discrepancy and will continue to be an issue as aircraft deploy to corrosive marine environments throughout the world. As the aircraft inventory ages, it will become increasingly important to prevent and treat corrosion for continued service.</p> |                                              |                           |                                              |                        |



| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                              | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |    |                                |     |      |     |                      |     |      |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------------|------------------------|------------------|------------------|------------------|--|---------------------|---------------|---------------------|---------------------|----------------------|-------|------|----|--------------------------------|-----|------|-----|----------------------|-----|------|----|
| 3. Installation(SA)& Location/UIC: M00318<br>MARINE CORPS BASE HAWAII<br>KANE OHE BAY, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           | 4. Project Title<br>Corrosion Control Hangar |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |    |                                |     |      |     |                      |     |      |    |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21103                    | 7. Project Number<br>P946 | 8. Project Cost (\$000)<br>66,100            |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |    |                                |     |      |     |                      |     |      |    |
| If the parking facility is not provided, personnel will continue to be exposed to unnecessary risk as pedestrians in high traffic areas. Current parking facilities are inadequate and lead to inefficiencies that adversely impact aircraft and mission readiness.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                              |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |    |                                |     |      |     |                      |     |      |    |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 12/2016<br>(B) Date 35% Design or Parametric Cost Estimate complete 04/2017<br>(C) Date design completed 06/2018<br>(D) Percent completed as of September 2017 30%<br>(E) Percent completed as of January 2018 50%<br>(F) Type of design contract Design Bid Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed Yes<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used n/a<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$3,966<br>(B) All other design costs \$1,983<br>(C) Total \$5,949<br>(D) Contract \$4,792<br>(E) In-house \$1,157<br>4. Contract award: 04/2019<br>5. Construction start: 05/2019<br>6. Construction complete: 05/2021<br>B. Equipment associated with this project which will be provided from other appropriations:<br><table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral equipment</td> <td>O&amp;MMC</td> <td>2021</td> <td>24</td> </tr> <tr> <td>Communications equipment (C4I)</td> <td>PMC</td> <td>2021</td> <td>946</td> </tr> <tr> <td>Smart Grid Equipment</td> <td>PMC</td> <td>2021</td> <td>30</td> </tr> </tbody> </table> |                                              |                           |                                              |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Collateral equipment | O&MMC | 2021 | 24 | Communications equipment (C4I) | PMC | 2021 | 946 | Smart Grid Equipment | PMC | 2021 | 30 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>Procuring</u>                             | <u>FY Approp</u>          |                                              |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |    |                                |     |      |     |                      |     |      |    |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                          |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |    |                                |     |      |     |                      |     |      |    |
| Collateral equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | O&MMC                                        | 2021                      | 24                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |    |                                |     |      |     |                      |     |      |    |
| Communications equipment (C4I)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PMC                                          | 2021                      | 946                                          |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |    |                                |     |      |     |                      |     |      |    |
| Smart Grid Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PMC                                          | 2021                      | 30                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |    |                                |     |      |     |                      |     |      |    |
| <b>JOINT USE CERTIFICATION:</b><br>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                              |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |    |                                |     |      |     |                      |     |      |    |

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|-----------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00318<br>MARINE CORPS BASE HAWAII<br>KANE OHE BAY, HAWAII |                                              |                           | 4. Project Title<br>Corrosion Control Hangar |                        |
| 5. Program Element<br>0202176M                                                                | 6. Category Code<br>21103                    | 7. Project Number<br>P946 | 8. Project Cost (\$000)<br>66,100            |                        |
| Activity POC: Project Development Lead      Phone No: 808-257-3687                            |                                              |                           |                                              |                        |
|                                                                                               |                                              |                           |                                              |                        |

|                                                                                                                                                                                                                                                                                                                                                           |                                              |      |      |          |     |                                                       |                        |                                     |                |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------|------|----------|-----|-------------------------------------------------------|------------------------|-------------------------------------|----------------|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |      |      |          |     |                                                       | 2. Date<br>05 FEB 2018 |                                     |                |                  |
| 3. Installation and Location: N62813<br>JBPHH PEARL HARBOR HI<br>PEARL CITY, HAWAII                                                                                                                                                                                                                                                                       |                                              |      |      |          |     | 4. Command<br>Commander Navy<br>Installations Command |                        | 5. Area Const<br>Cost Index<br>2.27 |                |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                          | PERMANENT                                    |      |      | STUDENTS |     |                                                       | SUPPORT                |                                     |                | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                           | OFF                                          | ENL  | CIV  | OFF      | ENL | CIV                                                   | OFF                    | ENL                                 | CIV            |                  |
|                                                                                                                                                                                                                                                                                                                                                           | 1762                                         | 8424 | 9099 | 0        | 0   | 0                                                     | 282                    | 362                                 | 0              | 19929            |
|                                                                                                                                                                                                                                                                                                                                                           | 1669                                         | 8024 | 9099 | 0        | 0   | 0                                                     | 282                    | 362                                 | 0              | 19436            |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                          |                                              |      |      |          |     |                                                       |                        |                                     |                |                  |
| A. TOTAL ACREAGE ..(744 Acres)                                                                                                                                                                                                                                                                                                                            |                                              |      |      |          |     |                                                       |                        |                                     |                |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                      |                                              |      |      |          |     |                                                       |                        |                                     |                | 895,644          |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                               |                                              |      |      |          |     |                                                       |                        |                                     |                | 79,052           |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                          |                                              |      |      |          |     |                                                       |                        |                                     |                | 78,320           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                      |                                              |      |      |          |     |                                                       |                        |                                     |                | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                              |                                              |      |      |          |     |                                                       |                        |                                     |                | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                             |                                              |      |      |          |     |                                                       |                        |                                     |                | 2,850            |
| <b>H. GRAND TOTAL .....</b>                                                                                                                                                                                                                                                                                                                               |                                              |      |      |          |     |                                                       |                        |                                     |                | <b>1,055,866</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                     |                                              |      |      |          |     |                                                       |                        |                                     |                |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                |                                              |      |      |          |     | <u>Design Status</u>                                  |                        | <u>Cost</u>                         |                |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                               | <u>Project Title</u>                         |      |      |          |     | <u>Start</u>                                          | <u>Complete</u>        | <u>Scope</u>                        | <u>(\$000)</u> |                  |
| 84210                                                                                                                                                                                                                                                                                                                                                     | Water Transmission Line                      |      |      |          |     | 09/2013                                               | 05/2016                | 0 LS                                | 78,320         |                  |
| TOTAL                                                                                                                                                                                                                                                                                                                                                     |                                              |      |      |          |     |                                                       |                        |                                     | 78,320         |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                       |                                              |      |      |          |     |                                                       |                        |                                     |                |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                     |                                              |      |      |          |     |                                                       |                        |                                     |                |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                        |                                              |      |      |          |     |                                                       |                        |                                     |                |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                      |                                              |      |      |          |     |                                                       |                        |                                     |                | 5,209,114        |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                           |                                              |      |      |          |     |                                                       |                        |                                     |                |                  |
| Homeport for approximately 40 surface combatants and submarines. This station operates and controls the harbor and maintains and operates shore-based support facilities such as shore intermediate maintenance, housing, recreation, and personnel assistance for afloat surface units and most of the shore tenant activities in the Pearl Harbor area. |                                              |      |      |          |     |                                                       |                        |                                     |                |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                |                                              |      |      |          |     |                                                       |                        |                                     |                |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                |                                              |      |      |          |     |                                                       |                        |                                     |                | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                |                                              |      |      |          |     |                                                       |                        |                                     |                | 0                |

|                                                                                     |                                                       |                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N62813<br>JBPHH PEARL HARBOR HI<br>PEARL CITY, HAWAII | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>2.27 |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62813(W5)<br>JBPHH PEARL HARBOR HI<br>(WAIAWA WELL SITE)<br>PEARL CITY, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           | 4. Project Title<br>Water Transmission Line |                        |
| 5. Program Element<br>0702776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6. Category Code<br>84210                    | 7. Project Number<br>P169 | 8. Project Cost (\$000)<br>78,320           |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                             |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | UM                                           | Quantity                  | Unit Cost                                   | Cost(\$000)            |
| WATER TRANSMISSION LINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                             | 39,540                 |
| POT WTR DIST SYS - WAIAWA<br>CC84210 (RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                             | (33,640)               |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                             | (5,520)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                             | (380)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                             | 30,700                 |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                             | (3,930)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                             | (2,760)                |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                             | (1,640)                |
| LAND AQUISITION AND DISPOSAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                             | (22,370)               |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                             | 70,240                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                             | 3,510                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                             | 73,750                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                             | 4,570                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                             | 78,320                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                             | 78,320                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             | 78,320                 |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                             |                        |
| <p>Constructs a primary potable water transmission line from the Waiawa pump station to the existing main at the intersection of Lehua Avenue and Second Street and constructs a secondary line to the Manana Housing booster pump station.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), traffic control, and State General Excise Tax.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high</p> |                                              |                           |                                             |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                       |                           |                                             |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------|---------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62813(WS)<br>JBPHH PEARL HARBOR HI<br>(WAIAWA WELL SITE)<br>PEARL CITY, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       |                           | 4. Project Title<br>Water Transmission Line |                        |
| 5. Program Element<br>0702776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Category Code<br>84210             | 7. Project Number<br>P169 | 8. Project Cost (\$000)<br>78,320           |                        |
| <p>performance and sustainable building requirements will be included in the design and construction of the project in accordance with Federal Laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Special foundation features include piles.</p> <p>Paving and site improvements include a steel bridge crossing at Waiawa Stream.</p> <p>Demolition includes the removal of portions of the existing water transmission lines, vaults, and other related appertenances.</p> <p>Land acquisition includes acquiring the sufficient rights and interest of land along the length of the new water transmission lines. It also includes the disposal of easements no longer needed once the existing transmission line is removed from service.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                       |                           |                                             |                        |
| <p><b>11. Requirement:</b>                      <b>Adequate:</b>                      <b>Substandard:</b></p> <p><b>PROJECT:</b></p> <p>Constructs a new primary potable water transmission line from the Waiawa Pump Station to an existing water line at the intersection of Lehua Avenue and Second Street (Pearl City Junction) and a secondary line to the Manana Housing pump station to replace the deteriorated existing pipeline.</p> <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>Primary and secondary water transmission lines are required to provide water for potable, industrial, and fire protection needs for Joint Base Pearl Harbor Hickam (JBPHH) and military family housing. The lines should be located to provide maintenance access.</p> <p><b>CURRENT SITUATION:</b></p> <p>The existing 60+ year old water transmission line is at the end of its design life and is extremely deteriorated. Portions of the line cannot be maintained because a multi-level shopping center parking structure and several warehouses have been built over it. The line provides 83% of all</p>                                |                                       |                           |                                             |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                             |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62813(W5)<br>JBPHH PEARL HARBOR HI<br>(WAIAWA WELL SITE)<br>PEARL CITY, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           | 4. Project Title<br>Water Transmission Line |                        |
| 5. Program Element<br>0702776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>84210                    | 7. Project Number<br>P169 | 8. Project Cost (\$000)<br>78,320           |                        |
| <p>fresh water requirements at JBPHH. It also serves the Halawa water storage tanks, which provide 87% of the required fire protection and potable water storage requirements for JBPHH.</p> <p>There is no redundant transmission line to allow continued use of the Waiawa pump station in the event of a rupture in the existing line. The secondary pump stations at Red Hill and Halawa do not have the capacity to meet prolonged daily demands if transmission from Waiawa is interrupted.</p> <p>This project is not located in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>The existing transmission line will continue to deteriorate, increasing the risk of a rupture. A rupture will severely impact the supply of water at JBPHH, resulting in severe water restrictions for all shore tenants, industrial users including the Navy Shipyard, family housing, and berthed ships and submarines. All non-dockside fire protection at JBPHH, including fire hydrants and sprinkler systems, would be affected. A rupture beneath the shopping center parking structure or a warehouse could result in significant property damage and risks to life safety.</p> |                                              |                           |                                             |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                             |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                             |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                             | 09/2013                |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                             | 02/2016                |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             | 05/2016                |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                             | 100%                   |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                             | 100%                   |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                             | Design Bid Build       |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                             | Yes                    |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                             | Yes                    |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                             | No                     |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                             |                        |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                             |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                             | \$4,699                |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                             | \$2,350                |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             | \$7,049                |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                             | \$5,678                |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                             | \$1,371                |
| 4. Contract award:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                             | 04/2019                |
| 5. Construction start:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                             | 05/2019                |
| 6. Construction complete:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             | 04/2021                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                             |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62813(W5)<br>JBPHH PEARL HARBOR HI<br>(WAIAWA WELL SITE)<br>PEARL CITY, HAWAII                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           | 4. Project Title<br>Water Transmission Line |                        |
| 5. Program Element<br>0702776N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6. Category Code<br>84210                    | 7. Project Number<br>P169 | 8. Project Cost (\$000)<br>78,320           |                        |
| <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.</p> <p>Activity POC: Project Development Lead      Phone No: 808-449-3198</p> |                                              |                           |                                             |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |     |      |              |                                                       |                      |                |                                     |     |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----|------|--------------|-------------------------------------------------------|----------------------|----------------|-------------------------------------|-----|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |     |      |              |                                                       |                      |                | 2. Date<br>05 FEB 2018              |     |                  |
| 3. Installation and Location: N32446<br>NSS PORTSMOUTH NAVY SHIPYARD<br>KITTERY, MAINE                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |     |      |              | 4. Command<br>Commander Navy<br>Installations Command |                      |                | 5. Area Const<br>Cost Index<br>1.07 |     |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PERMANENT                                    |     |      | STUDENTS     |                                                       |                      | SUPPORT        |                                     |     | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | OFF                                          | ENL | CIV  | OFF          | ENL                                                   | CIV                  | OFF            | ENL                                 | CIV |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 249                                          | 957 | 5091 | 0            | 42                                                    | 0                    | 72             | 587                                 | 0   | 6998             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 253                                          | 989 | 5091 | 0            | 42                                                    | 0                    | 87             | 612                                 | 0   | 7074             |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |     |      |              |                                                       |                      |                |                                     |     |                  |
| A. TOTAL ACREAGE ..(309 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |     |      |              |                                                       |                      |                |                                     |     |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |     |      |              |                                                       |                      |                |                                     |     | 1,932,806        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |     |      |              |                                                       |                      |                |                                     |     | 43,095           |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |     |      |              |                                                       |                      |                |                                     |     | 149,685          |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |     |      |              |                                                       |                      |                |                                     |     | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |     |      |              |                                                       |                      |                |                                     |     | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |     |      |              |                                                       |                      |                |                                     |     | 239,860          |
| <b>H. GRAND TOTAL .....</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |     |      |              |                                                       |                      |                |                                     |     | <b>2,365,446</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |     |      |              |                                                       |                      |                |                                     |     |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |     |      |              |                                                       | <u>Design Status</u> |                | <u>Cost</u>                         |     |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>Project Title</u>                         |     |      | <u>Start</u> | <u>Complete</u>                                       | <u>Scope</u>         | <u>(\$000)</u> |                                     |     |                  |
| 22330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Extend Portal Crane Rail                     |     |      | 11/2017      | 01/2019                                               | 283 m                | 39,725         |                                     |     |                  |
| 21310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Dry Dock #1 Super Flood Basin                |     |      | 03/2017      | 09/2018                                               | 14029 m2             | 109,960        |                                     |     |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |     |      |              |                                                       | TOTAL                | 149,685        |                                     |     |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |     |      |              |                                                       |                      |                |                                     |     |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |     |      |              |                                                       |                      |                |                                     |     |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |     |      |              |                                                       |                      |                |                                     |     |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |     |      |              |                                                       |                      |                |                                     |     | 920,030          |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |     |      |              |                                                       |                      |                |                                     |     |                  |
| Portsmouth Naval Shipyard's primary mission is the overhaul, repair and modernization of Los Angeles-class and Virginia-class submarines. Portsmouth Naval Shipyard provides the U.S. Navy's nuclear powered submarine fleet with quality overhaul work in a safe, timely and affordable manner. This includes a full spectrum of in-house support--from engineering services and production shops, to unique capabilities and facilities, to off-site support--all of which serves the multifaceted assortment of fleet requirements. |                                              |     |      |              |                                                       |                      |                |                                     |     |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |     |      |              |                                                       |                      |                |                                     |     |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |     |      |              |                                                       |                      |                |                                     |     | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |     |      |              |                                                       |                      |                |                                     |     | 0                |

|                                                                                        |                                                       |                                     |
|----------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N32446<br>NSS PORTSMOUTH NAVY SHIPYARD<br>KITTERY, MAINE | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.07 |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|----------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32446<br>NSS PORTSMOUTH NAVY SHIPYARD<br>KITTERY, MAINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                            | 4. Project Title<br>Extend Portal Crane Rail |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Category Code<br>22330                    | 7. Project Number<br>P1074 | 8. Project Cost (\$000)<br>39,725            |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                            |                                              |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UM                                           | Quantity                   | Unit Cost                                    | Cost(\$000)            |
| EXTEND PORTAL CRANE RAIL (928LF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | m                                            | 283                        |                                              | 15,990                 |
| CRANE TRACKAGE EXTENSION<br>CC86040 (505LF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | m                                            | 154                        | 65,375.26                                    | (10,070)               |
| CRANE TRACKAGE CC86040 (423LF)<br>(RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | m                                            | 129                        | 37,938.78                                    | (4,890)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                            |                                              | (950)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                            |                                              | (80)                   |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                            |                                              | 19,800                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                            |                                              | (2,220)                |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                            |                                              | (210)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                            |                                              | (1,770)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                            |                                              | (5,750)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                            |                                              | (9,760)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                            |                                              | (90)                   |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                            |                                              | 35,790                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                            |                                              | 1,790                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                            |                                              | 37,580                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                            |                                              | 2,140                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                            |                                              | 39,720                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                            |                                              | 39,720                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                            |                                              | 39,725                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                            |                                              | (42,300)               |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                            |                                              |                        |
| <p>Constructs new portal crane rail and modernizes existing portal crane rail to support new high-capacity portal crane for reactor servicing requirements at Dry Dock (DD) #1. Provides crane rail, switches and frogs, crane heater circuits, and all appurtenances required to accept, load test, and operate the heavy-lift portal crane. Project includes deep foundations.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS) and</p> |                                              |                            |                                              |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32446<br>NSS PORTSMOUTH NAVY SHIPYARD<br>KITTERY, MAINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                            | 4. Project Title<br>Extend Portal Crane Rail |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>22330                    | 7. Project Number<br>P1074 | 8. Project Cost (\$000)<br>39,725            |                        |
| <p>a shipyard factor.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special construction features include underground maintenance access tunnel to DD#1 and a shipyard factor.</p> <p>Site preparation includes grading for crane rail.</p> <p>Paving and site improvements include a new train rail and modifies existing train rail to support rail cars for refueling operations. Provides rail, foundations, switches and frogs, and all appurtenances required for operation.</p> <p>Electrical utilities include a new substation, electrical distribution system, and electrical utilities required for refueling nuclear submarines. Provides cabling, enclosures, and equipment necessary for power to DD#1 and Berths 1 and 2; and pier lighting at Berths 1 and 2.</p> <p>Mechanical utilities includes relocation of underground utilities and potable water and drainage.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions for satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                            |                                              |                        |
| <b>11. Requirement:</b> <u>283 m</u> <b>Adequate:</b> <b>Substandard:</b><br><b>PROJECT:</b><br>Constructs a high-capacity portal crane rail, electrical upgrades, utility modifications, and train rail to support the new 688 Class Service Life Extension Program (SLEP).<br><b>(New Mission)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                            |                                              |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                              | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |    |
| 3. Installation(SA)& Location/UIC: N32446<br>NSS PORTSMOUTH NAVY SHIPYARD<br>KITTERY, MAINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                            | 4. Project Title<br>Extend Portal Crane Rail |                        |                                                     |         |                                                          |         |                           |         |                                            |    |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6. Category Code<br>22330                    | 7. Project Number<br>P1074 | 8. Project Cost (\$000)<br>39,725            |                        |                                                     |         |                                                          |         |                           |         |                                            |    |
| <p><b>REQUIREMENT:</b></p> <p>The 688 Class SLEP requires a new high-capacity portal crane with crane rail infrastructure to provide heavy-lift access to the DD#1 reactor servicing complex, utility upgrades and modifications, and railroad modifications to perform refueling at DD#1. A high-capacity crane spur test area is also required for crane acceptance testing, load testing for shipyard certification, and special purpose testing and certification for nuclear lifts.</p> <p>To meet Fleet need-by date, construction completion is required by August 2020 in order to test and certify the rail system prior to the crane delivery in October 2020. New portal crane requires one year of general purpose service prior to special purpose service certification.</p> <p><b>CURRENT SITUATION:</b></p> <p>Portsmouth Naval Shipyard (NS) does not currently have the facilities to support the 688 Class SLE mission requirements as they relate to portal crane service and dockside utilities at DD#1 and adjacent berths.</p> <p>The 688 Class SLEP mission at DD#1 requires heavier lifts and new dockside utilities not previously necessary. The new heavy-lift portal crane will have a longer wheel base, requiring additional track length for traveling and staging. It will also require track with increased wheel-load capacity for operations and testing and additional power requirements to support the mission.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>This project is an integral part of the 688 Class SLEP and the mission cannot be achieved without the infrastructure provided by this project. Failure to coordinate with adjacent projects will greatly increase the risk of cost growth, construction complications, and timely completion to support the Fleet need-by date.</p> <p>Refueling requires the acquisition of a portal crane to be delivered by FY 2020. The existing crane rail does not have the capacity to support this new portal crane, therefore Portsmouth NS cannot accept delivery without the new crane rail in place.</p> |                                              |                            |                                              |                        |                                                     |         |                                                          |         |                           |         |                                            |    |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table border="0"> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>11/2017</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>05/2018</td> </tr> <tr> <td>(C) Date design completed</td> <td>01/2019</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>0%</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                            |                                              |                        | (A) Date design or Parametric Cost Estimate started | 11/2017 | (B) Date 35% Design or Parametric Cost Estimate complete | 05/2018 | (C) Date design completed | 01/2019 | (D) Percent completed as of September 2017 | 0% |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 11/2017                                      |                            |                                              |                        |                                                     |         |                                                          |         |                           |         |                                            |    |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 05/2018                                      |                            |                                              |                        |                                                     |         |                                                          |         |                           |         |                                            |    |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 01/2019                                      |                            |                                              |                        |                                                     |         |                                                          |         |                           |         |                                            |    |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0%                                           |                            |                                              |                        |                                                     |         |                                                          |         |                           |         |                                            |    |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                            |                                              | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                 |     |      |        |                |     |      |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|----------------------------------------------|------------------------|------------------|------------------|------------------|--|---------------------|---------------|---------------------|---------------------|-----------------|-----|------|--------|----------------|-----|------|-------|
| 3. Installation(SA)& Location/UIC: N32446<br>NSS PORTSMOUTH NAVY SHIPYARD<br>KITTERY, MAINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                            | 4. Project Title<br>Extend Portal Crane Rail |                        |                  |                  |                  |  |                     |               |                     |                     |                 |     |      |        |                |     |      |       |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>22330                    | 7. Project Number<br>P1074 | 8. Project Cost (\$000)<br>39,725            |                        |                  |                  |                  |  |                     |               |                     |                     |                 |     |      |        |                |     |      |       |
| <div style="display: flex; justify-content: space-between;"> <span>(E) Percent completed as of January 2018</span> <span>15%</span> </div> <div style="display: flex; justify-content: space-between;"> <span>(F) Type of design contract</span> <span>Design Bid Build</span> </div> <div style="display: flex; justify-content: space-between;"> <span>(G) Parametric Estimate used to develop cost</span> <span>Yes</span> </div> <div style="display: flex; justify-content: space-between;"> <span>(H) Energy Study/Life Cycle Analysis performed</span> <span>Yes</span> </div> <div style="margin-top: 5px;">2. Basis:</div> <div style="display: flex; justify-content: space-between;"> <span>(A) Standard or Definitive Design</span> <span>No</span> </div> <div style="display: flex; justify-content: space-between;"> <span>(B) Where design was previously used</span> <span></span> </div> <div style="margin-top: 5px;">3. Total Cost (C) = (A) + (B) = (D) + (E):</div> <div style="display: flex; justify-content: space-between;"> <span>(A) Production of plans and specifications</span> <span>\$1,950</span> </div> <div style="display: flex; justify-content: space-between;"> <span>(B) All other design costs</span> <span>\$975</span> </div> <div style="display: flex; justify-content: space-between;"> <span>(C) Total</span> <span>\$2,925</span> </div> <div style="display: flex; justify-content: space-between;"> <span>(D) Contract</span> <span>\$2,355</span> </div> <div style="display: flex; justify-content: space-between;"> <span>(E) In-house</span> <span>\$570</span> </div> <div style="display: flex; justify-content: space-between;"> <span>4. Contract award:</span> <span>06/2019</span> </div> <div style="display: flex; justify-content: space-between;"> <span>5. Construction start:</span> <span>08/2019</span> </div> <div style="display: flex; justify-content: space-between;"> <span>6. Construction complete:</span> <span>08/2020</span> </div> <div style="margin-top: 5px;">B. Equipment associated with this project which will be provided from other appropriations:</div> <table style="width: 100%; margin-top: 5px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Refueling Crane</td> <td>OPN</td> <td>2019</td> <td>40,000</td> </tr> <tr> <td>Shuttle Wagons</td> <td>OPN</td> <td>2019</td> <td>2,300</td> </tr> </tbody> </table> |                                              |                            |                                              |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Refueling Crane | OPN | 2019 | 40,000 | Shuttle Wagons | OPN | 2019 | 2,300 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>Procuring</u>                             | <u>FY Approp</u>           |                                              |                        |                  |                  |                  |  |                     |               |                     |                     |                 |     |      |        |                |     |      |       |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>Approp</u>                                | <u>or Requested</u>        | <u>Cost (\$000)</u>                          |                        |                  |                  |                  |  |                     |               |                     |                     |                 |     |      |        |                |     |      |       |
| Refueling Crane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | OPN                                          | 2019                       | 40,000                                       |                        |                  |                  |                  |  |                     |               |                     |                     |                 |     |      |        |                |     |      |       |
| Shuttle Wagons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OPN                                          | 2019                       | 2,300                                        |                        |                  |                  |                  |  |                     |               |                     |                     |                 |     |      |        |                |     |      |       |
| <b>JOINT USE CERTIFICATION:</b><br>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                            |                                              |                        |                  |                  |                  |  |                     |               |                     |                     |                 |     |      |        |                |     |      |       |
| Activity POC: Project Development Lead      Phone No: 207-438-3078                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                            |                                              |                        |                  |                  |                  |  |                     |               |                     |                     |                 |     |      |        |                |     |      |       |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                  | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA) & Location/UIC: N32446<br>NSS PORTSMOUTH NAVY SHIPYARD<br>KITTEERY, MAINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           | 4. Project Title<br>Dry Dock #1 Superflood Basin |                        |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21310                    | 7. Project Number<br>P310 | 8. Project Cost (\$000)<br>109,960               |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                  |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | UM                                           | Quantity                  | Unit Cost                                        | Cost(\$000)            |
| DRY DOCK #1 SUPERFLOOD BASIN<br>(151,007SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | m2                                           | 14,029                    |                                                  | 77,330                 |
| DRY DOCK NO 1 CC21310<br>(151,007SF) (RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | m2                                           | 14,029                    | 4,769.4                                          | (66,910)               |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                  | (10,270)               |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                  | (150)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                  | 21,750                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                  | (8,960)                |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                  | (270)                  |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                  | (3,310)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                  | (6,530)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                  | (400)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                  | (350)                  |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                                  | (1,930)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                  | 99,080                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                  | 4,950                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                  | 104,030                |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                  | 5,930                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                  | 109,960                |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                  | 109,960                |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                  | 109,960                |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                  | (24,250)               |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                  |                        |
| <p>Renovates Dry Dock #1 (DD#1) by constructing a superflood basin at the dry dock entrance. The superflood basin is similar to a navigational lock, and will enable Los Angeles (LA) Class and Virginia (VA) Class submarines to dock without the use of buoyancy assist tanks. Project will construct a basin closure wall with caisson seat; modify and reuse DD#3 caisson gate; provide additional superflood pumping capacity; extend the pier at the end of Berths #1 and #2 to reach the closure wall; modify Berths #1 and #11 to mitigate water exfiltration and prevent overtopping; dredge within the basin area; modify DD#1 to prevent overtopping; and protect the utility galleries inside DD#1 from water infiltration. Berthing fixtures, utility extensions and lighting will be included.</p> |                                              |                           |                                                  |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                  | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32446<br>NSS PORTSMOUTH NAVY SHIPYARD<br>KITTERY, MAINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           | 4. Project Title<br>Dry Dock #1 Superflood Basin |                        |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>21310                    | 7. Project Number<br>P310 | 8. Project Cost (\$000)<br>109,960               |                        |
| <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), shipyard factor and compressed schedule.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Special construction features include crane rail extension and Berth #2 fendering.</p> <p>Site preparation includes soil disposal from Berths #1 and #2.</p> <p>Special foundation features include micropiles.</p> <p>Paving and site improvements include grading, repaving and site restoration at Berths #1 and #2, bituminous concrete demolition and dredging. Also includes relocation and improvements to capstans, mooring, fendering, and line handling appurtenances.</p> <p>The project will require cultural resources and environmental mitigation associated with existing historical features, in-water construction, dredging, and soil disposal.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions for satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                  |                        |
| <b>11. Requirement:</b> <u>14,029 m2</u> <b>Adequate:</b> <b>Substandard:</b><br><b>PROJECT:</b><br>Alters Dry Dock #1 by constructing a superflood basin at the entrance, dredges the basin area and extends the crane rail.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                  |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------|------------------------|-----------------------------------------------------|---------|----------------------------------------------------------|---------|---------------------------|---------|--------------------------------------------|-----|------------------------------------------|-----|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                  | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |
| 3. Installation(SA)& Location/UIC: N32446<br>NSS PORTSMOUTH NAVY SHIPYARD<br>KITTERY, MAINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           | 4. Project Title<br>Dry Dock #1 Superflood Basin |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>21310                    | 7. Project Number<br>P310 | 8. Project Cost (\$000)<br>109,960               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |
| <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>Adequate dry dock facilities are required to perform depot level maintenance on nuclear powered submarines. This work includes the overhaul, repair, modernization, and inactivation of LA class submarines. As one of only four active shipyards in the country, the three dry docks at Portsmouth Naval Shipyard (PNSY) continuously operate at full capacity.</p> <p>Due to the Fleet moving from the LA Class to the VA Class, PNSY requires the ability to support two VA Class and one LA Class simultaneously through 2031. Dry Docks #2 and #3 can support work on the VA class, but DD#1 can only accommodate LA class submarines at this time. As a result, DD#1's schedule will continue to be fully-loaded with all forms of LA class.</p> <p><b>CURRENT SITUATION:</b></p> <p>DD#1 is the shallowest of the three dry docks at PNSY and requires a buoyancy assist system during docking and undocking of LA class submarines. The existing buoyancy assist system utilizes large floodable air-filled tanks that are 40+ years old and are beyond repair and will be decertified in 2021.</p> <p>Replacement in kind is impractical due to operational risks and productivity losses caused by severe tide constraints and buoyancy tank installation, removal and storage. Furthermore, replacement tanks must be customized for the weight and configuration of LA class submarines and would incur extremely high production costs for a very short service life. They could not be used on the VA class in the future, and would therefore be rendered obsolete when LA class submarines are removed from service in 2031.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>DD#1 will not support submarine evolutions beyond 2021 and the Navy will lose a dry dock essential to the maintenance and overhaul of nuclear submarines.</p> |                                              |                           |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table border="0"> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>03/2017</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>08/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>09/2018</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>25%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>50%</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                  |                        | (A) Date design or Parametric Cost Estimate started | 03/2017 | (B) Date 35% Design or Parametric Cost Estimate complete | 08/2017 | (C) Date design completed | 09/2018 | (D) Percent completed as of September 2017 | 25% | (E) Percent completed as of January 2018 | 50% |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 03/2017                                      |                           |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 08/2017                                      |                           |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 09/2018                                      |                           |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 25%                                          |                           |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50%                                          |                           |                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                  | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                              |     |      |    |                     |     |      |     |              |     |      |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------|------------------------|------------------|------------------|------------------|--|---------------------|---------------|---------------------|---------------------|------------------------------|-----|------|----|---------------------|-----|------|-----|--------------|-----|------|--------|
| 3. Installation(SA)& Location/UIC: N32446<br>NSS PORTSMOUTH NAVY SHIPYARD<br>KITTERY, MAINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>Dry Dock #1 Superflood Basin |                        |                  |                  |                  |  |                     |               |                     |                     |                              |     |      |    |                     |     |      |     |              |     |      |        |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21310                    | 7. Project Number<br>P310 | 8. Project Cost (\$000)<br>109,960               |                        |                  |                  |                  |  |                     |               |                     |                     |                              |     |      |    |                     |     |      |     |              |     |      |        |
| (F) Type of design contract <span style="float: right;">Design Bid Build</span><br>(G) Parametric Estimate used to develop cost <span style="float: right;">Yes</span><br>(H) Energy Study/Life Cycle Analysis performed <span style="float: right;">No</span><br>2. Basis:<br>(A) Standard or Definitive Design <span style="float: right;">No</span><br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications <span style="float: right;">\$6,600</span><br>(B) All other design costs <span style="float: right;">\$3,300</span><br>(C) Total <span style="float: right;">\$9,900</span><br>(D) Contract <span style="float: right;">\$7,970</span><br>(E) In-house <span style="float: right;">\$1,930</span><br>4. Contract award: <span style="float: right;">06/2019</span><br>5. Construction start: <span style="float: right;">07/2019</span><br>6. Construction complete: <span style="float: right;">08/2021</span><br>B. Equipment associated with this project which will be provided from<br>other appropriations:<br><table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Custom bridal and rigging x2</td> <td>OPN</td> <td>2019</td> <td style="text-align: right;">50</td> </tr> <tr> <td>Deep draft camel x2</td> <td>OPN</td> <td>2019</td> <td style="text-align: right;">700</td> </tr> <tr> <td>Tug boats x2</td> <td>OPN</td> <td>2019</td> <td style="text-align: right;">23,500</td> </tr> </tbody> </table> |                                              |                           |                                                  |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Custom bridal and rigging x2 | OPN | 2019 | 50 | Deep draft camel x2 | OPN | 2019 | 700 | Tug boats x2 | OPN | 2019 | 23,500 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>Procuring</u>                             | <u>FY Approp</u>          |                                                  |                        |                  |                  |                  |  |                     |               |                     |                     |                              |     |      |    |                     |     |      |     |              |     |      |        |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                              |                        |                  |                  |                  |  |                     |               |                     |                     |                              |     |      |    |                     |     |      |     |              |     |      |        |
| Custom bridal and rigging x2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OPN                                          | 2019                      | 50                                               |                        |                  |                  |                  |  |                     |               |                     |                     |                              |     |      |    |                     |     |      |     |              |     |      |        |
| Deep draft camel x2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OPN                                          | 2019                      | 700                                              |                        |                  |                  |                  |  |                     |               |                     |                     |                              |     |      |    |                     |     |      |     |              |     |      |        |
| Tug boats x2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OPN                                          | 2019                      | 23,500                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                              |     |      |    |                     |     |      |     |              |     |      |        |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for<br>joint use potential. Unilateral Construction is recommended. Mission<br>requirements, operational considerations, and location are incompatible<br>with use by other components.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                  |                        |                  |                  |                  |  |                     |               |                     |                     |                              |     |      |    |                     |     |      |     |              |     |      |        |
| Activity POC: Project Development Lead      Phone No: 207-438-3078                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                  |                        |                  |                  |                  |  |                     |               |                     |                     |                              |     |      |    |                     |     |      |     |              |     |      |        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |                                                 |                |                                    |                        |                  |       |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|-----------------|-------------------------------------------------|----------------|------------------------------------|------------------------|------------------|-------|-------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |                 |                                                 |                |                                    | 2. Date<br>05 FEB 2018 |                  |       |       |
| 3. Installation and Location: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                      |                 | 4. Command<br>Commandant of the<br>Marine Corps |                | 5. Area Const<br>Cost Index<br>.98 |                        |                  |       |       |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PERMANENT                                    |                      |                 | STUDENTS                                        |                |                                    | SUPPORT                |                  | TOTAL |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OFF                                          | ENL                  | CIV             | OFF                                             | ENL            | CIV                                | OFF                    | ENL              | CIV   |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 862                                          | 6980                 | 1500            | 180                                             | 1925           | 0                                  | 0                      | 0                | 58731 | 70178 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 765                                          | 6211                 | 1500            | 173                                             | 1957           | 0                                  | 0                      | 0                | 58731 | 69337 |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |                                                 |                |                                    |                        |                  |       |       |
| A. TOTAL ACREAGE ..(15128 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |                                                 |                |                                    |                        |                  |       |       |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |                                                 |                |                                    |                        | 3,938,424        |       |       |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |                 |                                                 |                |                                    |                        | 76,014           |       |       |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |                                                 |                |                                    |                        | 240,830          |       |       |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |                                                 |                |                                    |                        | 0                |       |       |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |                 |                                                 |                |                                    |                        | 0                |       |       |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |                 |                                                 |                |                                    |                        | 447,410          |       |       |
| <b>H. GRAND TOTAL .....</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |                 |                                                 |                |                                    |                        | <b>4,702,678</b> |       |       |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |                                                 |                |                                    |                        |                  |       |       |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              | <u>Design Status</u> |                 |                                                 |                | <u>Cost</u>                        |                        |                  |       |       |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u>Project Title</u>                         | <u>Start</u>         | <u>Complete</u> | <u>Scope</u>                                    | <u>(\$000)</u> |                                    |                        |                  |       |       |
| 21105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Aircraft Maintenance Hangar                  | 09/2016              | 09/2019         | 14114 m2                                        | 133,970        |                                    |                        |                  |       |       |
| 13510                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Flightline Utility<br>Modernization          | 10/2015              | 12/2018         | 0 LS                                            | 106,860        |                                    |                        |                  |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 | TOTAL                                           | 240,830        |                                    |                        |                  |       |       |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                      |                 |                                                 |                |                                    |                        |                  |       |       |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |                                                 |                |                                    |                        |                  |       |       |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |                                                 |                |                                    |                        |                  |       |       |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |                                                 |                |                                    |                        | 457,715          |       |       |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |                                                 |                |                                    |                        |                  |       |       |
| Marine Corps Air Station Cherry Point supports and enhances the combat readiness of 2nd Marine Aircraft Wing units and other Department of Defense units while improving the quality of life for military personnel, their families, and work force assigned to the Air Station. The Air Station maintains facilities and property, provides security and other services, and operates the airfield in support of tenant units and other forces training/preparing for combat in order to deter, prevent, and defeat threats and aggression aimed at the United States. |                                              |                      |                 |                                                 |                |                                    |                        |                  |       |       |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |                                                 |                |                                    |                        |                  |       |       |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |                                                 |                |                                    |                        | 0                |       |       |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |                                                 |                |                                    |                        | 0                |       |       |

|                                                                                                   |                                                 |                                    |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------|
| 1. Component<br>NAVY                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>    | 2. Date<br>05 FEB 2018             |
| 3. Installation and Location: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA | 4. Command<br>Commandant of the<br>Marine Corps | 5. Area Const<br>Cost Index<br>.98 |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>Aircraft Maintenance Hangar |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21105                    | 7. Project Number<br>P199 | 8. Project Cost (\$000)<br>133,970              |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                 |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | UM                                           | Quantity                  | Unit Cost                                       | Cost(\$000)            |
| AIRCRAFT MAINTENANCE HANGAR<br>(151,922SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | m2                                           | 14,114                    |                                                 | 63,560                 |
| HANGAR CC21105 (145,517SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | m2                                           | 13,519                    | 3,827.95                                        | (51,750)               |
| PARALOFT CC21175 (6,405SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | m2                                           | 595                       | 3,562.02                                        | (2,120)                |
| INFORMATION SYSTEMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                 | (970)                  |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                 | (4,800)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                 | (3,100)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                 | (300)                  |
| SUSTAINABILITY AND ENERGY<br>FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                                 | (520)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                 | 57,150                 |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                 | (6,340)                |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                 | (12,380)               |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                 | (2,930)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                 | (18,990)               |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                 | (2,050)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                                 | (14,460)               |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                 | 120,710                |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                 | 6,040                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                 | 126,750                |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                 | 7,220                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                 | 133,970                |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                 | 133,970                |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                 | 133,970                |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                 | (9,384)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                 |                        |
| Constructs a two story low rise two module Type 1 maintenance hangar for the F-35B Lightning II aircraft including a high bay space, crew and equipment space, administrative space, and Special Access Program Facility (SAPF). The building will be concrete masonry unit on a reinforced concrete slab foundation with structural steel framing, steel roof trusses and pre-finished insulated metal roof. Building systems include compressed air, public address system, 400Hz and 270v DC power, aircraft maintenance work |                                              |                           |                                                 |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                 |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>Aircraft Maintenance Hangar |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code<br>21105                    | 7. Project Number<br>P199 | 8. Project Cost (\$000)<br>133,970              |                        |
| <p>stations, alarm systems, communication connections at aircraft parking locations, seismic construction, explosive material storage areas, heating, ventilation and air conditioning, sound attenuation and vaults.</p> <p>Project also constructs a paraloft facility.</p> <p>This project will provide Anti-Terrorism/Force Protection (ATFP) features and comply with ATFP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. Project will also provide security enhancements/access control elements for personnel and equipment access between the installation and the more secure flightline/hangar area. These flightline security upgrades will address flightline access control requirements for vehicle access and turn-stiles. Security enhancements for each of the flightline facilities including security fencing, a pedestrian gate and a vehicle gate, and cameras in the duty room, the second floor security office, and the air maintenance office.</p> <p>Built-in equipment includes two overhead bridge cranes (5-ton), two two-stop personnel/freight elevators, emergency generator, access flooring, welding hood, high density storage systems in tool rooms, fire protection booster pump, sprinklers for shops and storage, and Aqueous Film-Forming Foam (AFFF) system.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), including geospatial surveys and mapping and enhanced building commissioning.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes site clearing, excavation and demolition to prepare for construction.</p> <p>Special foundation features include auger cast pile foundation for the hangar and the paraloft.</p> |                                              |                           |                                                 |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                           | 4. Project Title<br>Aircraft Maintenance Hangar |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21105             | 7. Project Number<br>P199 | 8. Project Cost (\$000)<br>133,970              |                        |
| <p>Paving and site improvements include an aircraft washrack, grading, paving, curbs, sidewalks, landscaping, security fencing, covered hazard material storage area, outside lighting, trash enclosure, and storm-water management. Concrete patchwork will be completed where existing buildings will be demolished. Project includes taxiway remarking and the renovation to existing aircraft parking aprons in order to provide electrical grounding, work station kiosks and sun shades.</p> <p>Electrical utilities include primary and secondary distribution systems, 400 HZ power with 270 DC converter, lighting, transformers and telecommunications infrastructure.</p> <p>Mechanical utilities include natural gas and water supply lines, storm, sanitary and industrial sewer lines, oil/water separator and AFFF collection system.</p> <p>Environmental mitigation includes contaminated soil removal and active vapor intrusion mitigation system for building floor slabs.</p> <p>Demolition includes the following facilities: Facility #130 (134866 SF), Facility #1700 (50810 SF), Facility #1701 (61610 SF), Facility #140 (11108 SF), Facility #3745 (5097 SF), Facility #4553 (8964 SF), Facility #4434 (675 SF), Facility #4435 (630 SF), Facility #4437 (839 SF), Facility #4438 (477 SF), Facility #4439 (531 SF), Facility #3984 (72 SF), Facility #3985 (72 SF), Facility #4858 (1200 SF), Facility 209545 (7695 SF). All facilities are being demolished to clear the site for this project.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                       |                           |                                                 |                        |
| <b>11. Requirement:</b> <u>14,114 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs a two story low rise two module Type 1 maintenance hangar for the F-35 aircraft and remarks the existing taxiway, renovates aircraft parking aprons to provide electrical grounding, work station kiosks and sun shades.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                           |                                                 |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                 | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>Aircraft Maintenance Hangar |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21105                    | 7. Project Number<br>P199 | 8. Project Cost (\$000)<br>133,970              |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| <p>Adequate and properly configured operational and maintenance facilities are required to support the basing of the F-35B Lightning II. The two module maintenance hangar is required to provide weather-protected shelter for the servicing and repair of aircraft at the organizational level and emergency shelter for inoperable aircraft. This hangar will support two F-35B squadrons planned for arrival beginning in early FY2023. Construction in FY2019 is required to allow enough time for completion of construction, and post construction outfitting and security certification.</p> <p><b>CURRENT SITUATION:</b></p> <p>There are no existing hangars that can support the requirements of the F-35B aircraft.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>If this project is not provided, the station will be unable to support the planned basing of F-35 squadrons.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2016</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>05/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>12/2018</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>35%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>40%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>Yes</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td>N/A</td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$2,679</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$4,019</td> </tr> <tr> <td>(C) Total</td> <td>\$6,698</td> </tr> <tr> <td>(D) Contract</td> <td>\$1,339</td> </tr> <tr> <td>(E) In-house</td> <td>\$5,359</td> </tr> </table> <p>4. Contract award: 06/2019</p> <p>5. Construction start: 07/2019</p> <p>6. Construction complete: 05/2022</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> |                                              |                           |                                                 |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 05/2017 | (C) Date design completed | 12/2018 | (D) Percent completed as of September 2017 | 35% | (E) Percent completed as of January 2018 | 40% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | Yes | (A) Standard or Definitive Design | No | (B) Where design was previously used | N/A | (A) Production of plans and specifications | \$2,679 | (B) All other design costs | \$4,019 | (C) Total | \$6,698 | (D) Contract | \$1,339 | (E) In-house | \$5,359 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 09/2016                                      |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/2017                                      |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12/2018                                      |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 35%                                          |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 40%                                          |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Design Bid Build                             |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Yes                                          |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                          |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                           |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A                                          |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$2,679                                      |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$4,019                                      |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$6,698                                      |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$1,339                                      |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$5,359                                      |                           |                                                 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |



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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                |                                              |                           | 4. Project Title<br>Aircraft Maintenance Hangar |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                        | 6. Category Code<br>21105                    | 7. Project Number<br>P199 | 8. Project Cost (\$000)<br>133,970              |                        |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                      |                                              | <u>Procuring</u>          | <u>FY Approp</u>                                | <u>Cost (\$000)</u>    |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                   |                                              | <u>Approp</u>             | <u>or Requested</u>                             |                        |
| Aircraft Protective Shelters - Sunshades                                                                                                                                                                                                                                                                                                                                                              |                                              | PMC                       | 2021                                            | 4,200                  |
| Audio Visual                                                                                                                                                                                                                                                                                                                                                                                          |                                              | PMC                       | 2021                                            | 300                    |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                     |                                              | O&MMC                     | 2021                                            | 4,414                  |
| Information Technology/Communications                                                                                                                                                                                                                                                                                                                                                                 |                                              | PMC                       | 2021                                            | 70                     |
| Physical Security Equipment                                                                                                                                                                                                                                                                                                                                                                           |                                              | PMC                       | 2021                                            | 300                    |
| RSLs & Placards                                                                                                                                                                                                                                                                                                                                                                                       |                                              | PMC                       | 2021                                            | 100                    |
| JOINT USE CERTIFICATION:                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                 |                        |
| The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements. |                                              |                           |                                                 |                        |
| Activity POC: Project Development Lead      Phone No: 252-466-4773                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                 |                        |

|                                                                                                        |                                              |                           |                                                 |                        |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA |                                              |                           | 4. Project Title<br>Aircraft Maintenance Hangar |                        |
| 5. Program Element<br>0202176M                                                                         | 6. Category Code<br>21105                    | 7. Project Number<br>P199 | 8. Project Cost (\$000)<br>133,970              |                        |
| <p><b>Blank Page</b></p>                                                                               |                                              |                           |                                                 |                        |

|                                                                                                        |                                              |                           |                                                         |                        |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                         | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA |                                              |                           | 4. Project Title<br>Flightline Utility<br>Modernization |                        |
| 5. Program Element<br>0216496M                                                                         | 6. Category Code<br>13510                    | 7. Project Number<br>P235 | 8. Project Cost (\$000)<br>106,860                      |                        |
| <b>9. COST ESTIMATES</b>                                                                               |                                              |                           |                                                         |                        |
| Item                                                                                                   | UM                                           | Quantity                  | Unit Cost                                               | Cost(\$000)            |
| FLIGHTLINE UTILITY MODERNIZATION                                                                       | LS                                           |                           |                                                         | 54,560                 |
| (FRC-E & STATION) WATER LINE,<br>POTABLE CC84210 (RENOVATE)                                            | EA                                           | 1                         | 6,180,244.63                                            | (6,180)                |
| ELECTRICAL DISTRIBUTION LINES<br>CC81232                                                               | EA                                           | 1                         | 8,103,431.9                                             | (8,100)                |
| COMMUNICATION LINES (STATION)<br>CC13510 (RENOVATE)                                                    | EA                                           | 1                         | 13,071,338.41                                           | (13,070)               |
| SANITARY SEWER LINE (FRC-E &<br>STATION) CC83210 (RENOVATE)                                            | EA                                           | 1                         | 5,008,301.26                                            | (5,010)                |
| WATER STORAGE TANK, FIRE PROT.<br>WATER CC84330                                                        | EA                                           | 1                         | 6,440,674.53                                            | (6,440)                |
| STEAM DISTRIBUTION CC82212                                                                             | EA                                           | 1                         | 4,777,919.13                                            | (4,780)                |
| FIRE PROTECTION LINES CC84310                                                                          | EA                                           | 1                         | 3,145,212.76                                            | (3,150)                |
| FIRE PUMP BUILDING CC84350<br>(3,305SF)                                                                | m2                                           | 307                       | 2,441.92                                                | (750)                  |
| STORM DRAINAGE SYSTEM CC87110                                                                          | EA                                           | 1                         | 1,823,462                                               | (1,820)                |
| INDUSTRIAL WASTEWATER LINES<br>CC83240                                                                 | EA                                           | 1                         | 1,041,726.41                                            | (1,040)                |
| FUEL DISTRIBUTION CC12510                                                                              | EA                                           | 1                         | 951,577.19                                              | (950)                  |
| BUILT-IN EQUIPMENT                                                                                     | LS                                           |                           |                                                         | (100)                  |
| SPECIAL COSTS                                                                                          | LS                                           |                           |                                                         | (2,650)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                            | LS                                           |                           |                                                         | (520)                  |
| SUPPORTING FACILITIES                                                                                  |                                              |                           |                                                         | 41,730                 |
| SPECIAL CONSTRUCTION FEATURES                                                                          | LS                                           |                           |                                                         | (660)                  |
| SITE PREPARATIONS                                                                                      | LS                                           |                           |                                                         | (27,780)               |
| PAVING AND SITE IMPROVEMENTS                                                                           | LS                                           |                           |                                                         | (11,750)               |
| ENVIRONMENTAL MITIGATION                                                                               | LS                                           |                           |                                                         | (1,310)                |
| DEMOLITION                                                                                             | LS                                           |                           |                                                         | (230)                  |
| SUBTOTAL                                                                                               |                                              |                           |                                                         | 96,290                 |
| CONTINGENCY (5%)                                                                                       |                                              |                           |                                                         | 4,810                  |
| TOTAL CONTRACT COST                                                                                    |                                              |                           |                                                         | 101,100                |
| SIOH (5.7%)                                                                                            |                                              |                           |                                                         | 5,760                  |
| SUBTOTAL                                                                                               |                                              |                           |                                                         | 106,860                |
| TOTAL REQUEST ROUNDED                                                                                  |                                              |                           |                                                         | 106,860                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                         |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                         | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           | 4. Project Title<br>Flightline Utility<br>Modernization |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6. Category Code<br>13510                    | 7. Project Number<br>P235 | 8. Project Cost (\$000)<br>106,860                      |                        |
| TOTAL REQUEST<br>EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                         | 106,860<br>(30)        |
| <b>10. Description of Proposed Construction:</b><br><p>Constructs utilities infrastructure system improvements along the flightline.</p> <p>The potable water distribution system along 6th Avenue will be resized to capacity and water quality to the existing buildings. This project will also include new water service connections, advanced meters and a connection to the existing system along A Street.</p> <p>Communications pathways consisting of ductbanks, manholes, and cable will be constructed along 6th Ave. Infrastructure will be modernized to support the autonomic logistics information system (ALIS).</p> <p>The power distribution along 6th Ave will be renovated in order to provide a 25MW load sectionalizing Station B to service the buildings and hangars in this area.</p> <p>The sanitary sewer system will be a gravity collection system to replace the aged wastewater collection mains. This project will construct a central lift station with new force main and remove several existing small lift stations.</p> <p>The steam distribution system will include steam and condensate lines, manholes, and connections to existing lines.</p> <p>A new fire protection distribution system, to include water lines, fire pumps, fire pump building and water storage tank, will be constructed to separate the deluge sprinkler and aqueous film forming foam systems in flightline buildings from the potable water system.</p> <p>The storm drainage system will include new storm drainage lines.</p> <p>The industrial wastewater collection system will be upgraded with a new oil/water separator at Hangar #250 and the removal of existing lift stations and associated force mains.</p> <p>Fuel distribution includes the addition of a natural gas line, a JP-5 fuel distribution line, leak detection, and appurtenances.</p> |                                              |                           |                                                         |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                         |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                         | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           | 4. Project Title<br>Flightline Utility<br>Modernization |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>13510                    | 7. Project Number<br>P235 | 8. Project Cost (\$000)<br>106,860                      |                        |
| <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes an emergency diesel generator (150kW).</p> <p>Special costs include Post Construction Award Services (PCAS) and geospatial surveying and mapping.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate. Project includes expansion of the Energy Management and Control System to tie the project utility controls and meters into the existing system.</p> <p>Site Preparation includes site clearing, site demolition and replacement, site earthwork, and the removal of contaminated groundwater and soils.</p> <p>Paving and site improvements include landscaping, roadways, erosion and sediment control, parking lots, and sidewalks. Roadways include extension on 5th Ave, C Street widening, 6th Ave reconstruction, and other road repairs at utility crossings.</p> <p>Environmental mitigation includes Resource Conservation and Recovery Act and Comprehensive Environmental Response, Compensation, and Liability Act industrial waste closures in connection with industrial waste facilities.</p> <p>Demolition includes the following buildings: #122 Booster Pumping Station (125 M2), #1747 Booster Pumping Station (27 M2), #1748 Deep Well Pump Station (11 M2), #3762 Ejector Station #3 (284 LM), B4212 Storage Shed (413 M2), #144 Warehouse (7353 M2), #4427 Telephone Shelter (10 M2).</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                         |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                         | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>Flightline Utility<br>Modernization |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Category Code<br>13510                    | 7. Project Number<br>P235 | 8. Project Cost (\$000)<br>106,860                      |                        |
| <p><b>11. Requirement:</b>                      <b>Adequate:</b>                      <b>Substandard:</b></p> <p><b>PROJECT:</b></p> <p>Project will upgrade, renovate and modernize utilities in the core area to support the flightline recapitalization for the F-35 Joint Strike Fighter (JSF).</p> <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>Adequate utilities and infrastructure are required along the flightline to support current operations and the deployment of seven JSF squadrons at MCAS Cherry Point. Utilities to include potable water, telecommunications, electrical, sanitary sewer, steam, fire protection water, storm drainage, industrial wastewater, and natural gas.</p> <p><b>CURRENT SITUATION:</b></p> <p>The majority of the water pipeline in the flightline corridor is cast iron and has been in service since the 1970s.</p> <p>Telecommunication capacity will not support development of the flightline to support beddown of F-35 squadrons. Trunk lines do not have available cable pairs/strands or pathway space to connect to the main central office.</p> <p>The electrical switchgear on 6th Avenue is in good condition; however, the power distribution along 6th Avenue needs to be modernized. The ductbank and switches need to be replaced.</p> <p>The vitrified clay sanitary sewer mains in the core area are old and allow the inflow and infiltration of ground water into the collection system. Treating rainwater increases costs and energy usage. The main sewer lift station, Building #4259, has pumps and controls that are old, outdated and need to be replaced for energy efficiency and reliability.</p> <p>The existing steam piping network is in need of replacement due to broken pipes, leaking valves, malfunctioning sump pumps and flooded manholes.</p> <p>There are three existing elevated water tanks in the core area. The newest tank was constructed in 1972 and the other two tanks were built in 1947.</p> <p>The water distribution system along 6th Avenue provides water for both potable water service and fire protection for the flightline corridor. This integrated water system is problematic to design, operate and maintain due to the oversized pipes, stagnant water, flushing, pressure surges and different code requirements.</p> |                                              |                           |                                                         |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                         | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>Flightline Utility<br>Modernization |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>13510                    | 7. Project Number<br>P235 | 8. Project Cost (\$000)<br>106,860                      |                        |
| <p>Fire pump buildings are old, outdated and do not meet current National Fire Protection Act standards for stationary fire pumps.</p> <p>The industrial wastewater collection mains have inflow and infiltration problems that allow a large quantity of ground water to enter the system. The influx of ground water weakens the strength of the wastewater and makes it more difficult to treat, at a larger cost than necessary.</p> <p>The flightline does not have natural gas service.</p> <p>The project is not located in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>If this project is not provided, the station will not be able to provide the reliable utilities infrastructure required to support the planned basing of F-35 squadrons resulting in unwarranted operational risk to the 2nd Marine Aircraft Wing's ability to conduct training and operations due to an aged, failing and inadequate utilities capability.</p> |                                              |                           |                                                         |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                         |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                         |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                         |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10/2015                                      |                           |                                                         |                        |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 04/2017                                      |                           |                                                         |                        |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12/2018                                      |                           |                                                         |                        |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 35%                                          |                           |                                                         |                        |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 55%                                          |                           |                                                         |                        |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Design Bid Build                             |                           |                                                         |                        |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                          |                           |                                                         |                        |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes                                          |                           |                                                         |                        |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                         |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                           |                           |                                                         |                        |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                         |                        |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                         |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$6,412                                      |                           |                                                         |                        |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$3,206                                      |                           |                                                         |                        |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$9,618                                      |                           |                                                         |                        |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$7,747                                      |                           |                                                         |                        |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$1,871                                      |                           |                                                         |                        |
| 4. Contract award:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 06/2019                                      |                           |                                                         |                        |
| 5. Construction start:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 07/2019                                      |                           |                                                         |                        |
| 6. Construction complete:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 05/2022                                      |                           |                                                         |                        |
| B. Equipment associated with this project which will be provided from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                         |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                        | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                                         | 2. Date<br>05 FEB 2018 |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------|---------------------------------------------------------|------------------------|------------------|------------------|------------------|---------------------|---------------------|---------------|---------------------|--|----------------------|-----|------|----|
| 3. Installation(SA)& Location/UIC: M00146<br>MCAS CHERRY POINT NC<br>CHERRY POINT MCAS, NORTH CAROLINA                                                                                                                                                                                                                                                                                                                                                      |                                       |                           | 4. Project Title<br>Flightline Utility<br>Modernization |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Category Code<br>13510             | 7. Project Number<br>P235 | 8. Project Cost (\$000)<br>106,860                      |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |
| other appropriations:<br><table border="0"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th><u>Cost (\$000)</u></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Smart Grid Equipment</td> <td>PMC</td> <td>2021</td> <td>30</td> </tr> </tbody> </table>                                                          |                                       |                           |                                                         |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> | <u>Cost (\$000)</u> | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> |  | Smart Grid Equipment | PMC | 2021 | 30 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>Procuring</u>                      | <u>FY Approp</u>          | <u>Cost (\$000)</u>                                     |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u>Approp</u>                         | <u>or Requested</u>       |                                                         |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |
| Smart Grid Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                        | PMC                                   | 2021                      | 30                                                      |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |
| JOINT USE CERTIFICATION:<br>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project. |                                       |                           |                                                         |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |
| Activity POC: Project Development Lead      Phone No: 252-466-4640                                                                                                                                                                                                                                                                                                                                                                                          |                                       |                           |                                                         |                        |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |



|                                                                                                   |                                                  |                      |         |                                                       |     |                                     |                        |     |     |                  |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------|---------|-------------------------------------------------------|-----|-------------------------------------|------------------------|-----|-----|------------------|
| 1. Component<br>NAVY                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>     |                      |         |                                                       |     |                                     | 2. Date<br>05 FEB 2018 |     |     |                  |
| 3. Installation and Location: N32414<br>NAVSUPPACT MECHANICSBURG PA<br>PHILADELPHIA, PENNSYLVANIA |                                                  |                      |         | 4. Command<br>Commander Navy<br>Installations Command |     | 5. Area Const<br>Cost Index<br>1.16 |                        |     |     |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                  | PERMANENT                                        |                      |         | STUDENTS                                              |     |                                     | SUPPORT                |     |     | TOTAL            |
|                                                                                                   | OFF                                              | ENL                  | CIV     | OFF                                                   | ENL | CIV                                 | OFF                    | ENL | CIV |                  |
|                                                                                                   | 82                                               | 72                   | 832     | 0                                                     | 0   | 0                                   | 0                      | 0   | 0   | 986              |
|                                                                                                   | 76                                               | 100                  | 832     | 0                                                     | 0   | 0                                   | 0                      | 0   | 0   | 1008             |
| <b>7. INVENTORY DATA (\$000)</b>                                                                  |                                                  |                      |         |                                                       |     |                                     |                        |     |     |                  |
| A. TOTAL ACREAGE ..(396 Acres)                                                                    |                                                  |                      |         |                                                       |     |                                     |                        |     |     |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                              |                                                  |                      |         |                                                       |     |                                     |                        |     |     | 2,028,426        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                       |                                                  |                      |         |                                                       |     |                                     |                        |     |     | 234,985          |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                  |                                                  |                      |         |                                                       |     |                                     |                        |     |     | 71,050           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                              |                                                  |                      |         |                                                       |     |                                     |                        |     |     | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                      |                                                  |                      |         |                                                       |     |                                     |                        |     |     | 0                |
| G. REMAINING DEFICIENCY .....                                                                     |                                                  |                      |         |                                                       |     |                                     |                        |     |     | 128,481          |
| H. <b>GRAND TOTAL</b> .....                                                                       |                                                  |                      |         |                                                       |     |                                     |                        |     |     | <b>2,462,942</b> |
| 8. Projects Requested In This Program                                                             |                                                  |                      |         |                                                       |     |                                     |                        |     |     |                  |
| <u>Cat</u>                                                                                        |                                                  | <u>Design Status</u> |         |                                                       |     | <u>Cost</u>                         |                        |     |     |                  |
| <u>Code</u>                                                                                       | <u>Project Title</u>                             | <u>Start</u>         |         | <u>Complete</u>                                       |     | <u>Scope</u>                        | <u>(\$000)</u>         |     |     |                  |
| 21370                                                                                             | Submarine Propulsor<br>Manufacturing Support Fac | 09/2016              | 08/2018 |                                                       |     | 5032 m2                             | 71,050                 |     |     |                  |
| TOTAL                                                                                             |                                                  |                      |         |                                                       |     |                                     | 71,050                 |     |     |                  |
| 9. Future Projects:                                                                               |                                                  |                      |         |                                                       |     |                                     |                        |     |     |                  |
| A. Included In The Following Program:                                                             |                                                  |                      |         |                                                       |     |                                     |                        |     |     |                  |
| B. Major Planned Next Three Years:                                                                |                                                  |                      |         |                                                       |     |                                     |                        |     |     |                  |
| C. R&M Unfunded Requirement (\$000):                                                              |                                                  |                      |         |                                                       |     |                                     |                        |     |     | 948,038          |
| 10. Mission or Major Functions:                                                                   |                                                  |                      |         |                                                       |     |                                     |                        |     |     |                  |
| Delivers combat capability through logistics to Navy, Marine Corps, Joint and Allied forces.      |                                                  |                      |         |                                                       |     |                                     |                        |     |     |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                        |                                                  |                      |         |                                                       |     |                                     |                        |     |     |                  |
| A. Pollution Abatement(*):                                                                        |                                                  |                      |         |                                                       |     |                                     |                        |     |     | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                        |                                                  |                      |         |                                                       |     |                                     |                        |     |     | 0                |

|                                                                                                   |                                                       |                                     |                        |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          |                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation and Location: N32414<br>NAVSUPPACT MECHANICSBURG PA<br>PHILADELPHIA, PENNSYLVANIA | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.16 |                        |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32414(PH)<br>NAVSUPPACT MECHANICSBURG PA<br>(DET PHILADELPHIA PA)<br>PHILADELPHIA, PENNSYLVANIA                                                                        |                                              |                           | 4. Project Title<br>Submarine Propulsor<br>Manufacturing Support Fac |                        |
| 5. Program Element<br>0703676N                                                                                                                                                                             | 6. Category Code<br>21370                    | 7. Project Number<br>P106 | 8. Project Cost (\$000)<br>71,050                                    |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                   |                                              |                           |                                                                      |                        |
| Item                                                                                                                                                                                                       | UM                                           | Quantity                  | Unit Cost                                                            | Cost(\$000)            |
| SUBMARINE PROPULSOR MANUFACTURING<br>SUPPORT FAC (54,164SF)                                                                                                                                                | m2                                           | 5,032                     |                                                                      | 42,230                 |
| SHIP SERVICES SUPPORT BUILDING<br>CC21370 (26,942SF)                                                                                                                                                       | m2                                           | 2,503                     | 7,562.66                                                             | (18,930)               |
| ADMINISTRATION BUILDING<br>CC61010 (27,222SF)                                                                                                                                                              | m2                                           | 2,529                     | 6,602.65                                                             | (16,700)               |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                                                                                         | LS                                           |                           |                                                                      | (1,970)                |
| BUILT-IN EQUIPMENT                                                                                                                                                                                         | LS                                           |                           |                                                                      | (1,810)                |
| SPECIAL COSTS                                                                                                                                                                                              | LS                                           |                           |                                                                      | (2,530)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                | LS                                           |                           |                                                                      | (290)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                      |                                              |                           |                                                                      | 21,790                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                              | LS                                           |                           |                                                                      | (330)                  |
| SITE PREPARATIONS                                                                                                                                                                                          | LS                                           |                           |                                                                      | (5,400)                |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                | LS                                           |                           |                                                                      | (1,800)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                               | LS                                           |                           |                                                                      | (3,110)                |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                                                                                         | LS                                           |                           |                                                                      | (170)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                       | LS                                           |                           |                                                                      | (2,550)                |
| MECHANICAL UTILITIES                                                                                                                                                                                       | LS                                           |                           |                                                                      | (1,210)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                   | LS                                           |                           |                                                                      | (200)                  |
| DEMOLITION                                                                                                                                                                                                 | LS                                           |                           |                                                                      | (7,020)                |
| SUBTOTAL                                                                                                                                                                                                   |                                              |                           |                                                                      | 64,020                 |
| CONTINGENCY (5%)                                                                                                                                                                                           |                                              |                           |                                                                      | 3,200                  |
| TOTAL CONTRACT COST                                                                                                                                                                                        |                                              |                           |                                                                      | 67,220                 |
| SIOH (5.7%)                                                                                                                                                                                                |                                              |                           |                                                                      | 3,830                  |
| SUBTOTAL                                                                                                                                                                                                   |                                              |                           |                                                                      | 71,050                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                      |                                              |                           |                                                                      | 71,050                 |
| TOTAL REQUEST                                                                                                                                                                                              |                                              |                           |                                                                      | 71,050                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                           |                                              |                           |                                                                      | (4,114)                |
| <b>10. Description of Proposed Construction:</b><br>Constructs a high-bay shipping/receiving/maintenance (S/R&M) facility with<br>a concrete foundation, featuring a metal-panel exterior, a sloped metal- |                                              |                           |                                                                      |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                      |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32414(PH)<br>NAVSUPPACT MECHANICSBURG PA<br>(DET PHILADELPHIA PA)<br>PHILADELPHIA, PENNSYLVANIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>Submarine Propulsor<br>Manufacturing Support Fac |                        |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>21370                    | 7. Project Number<br>P106 | 8. Project Cost (\$000)<br>71,050                                    |                        |
| <p>roof and roll-up doors. Spaces will include a shipping/receiving and inventory area accessible by the bridge crane. A maintenance space will include six maintenance bays, tool and spare part storage, a calibration lab and associated office space. A portion of this space will also be accessible by the bridge crane. Personnel locker rooms and showers are also included.</p> <p>Constructs a two-story office/administration (O/A) facility with a concrete foundation, reinforced masonry exterior walls, face brick and metal-panel cladding, aluminum windows. Gypsum wallboard on metal studs will be used where fully enclosed spaces are required. Common space will provide a lunch and break room to accommodate training attendees. The O/A facility will connect to Building #592. Minor renovation of Building #592 is included to facilitate this connection. The O/A facility includes an additional secure server room and network.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. The facade of Building #121 serves as a portion of the installation's perimeter fence. When Building #121 is demolished, the perimeter fence will need to be replaced as required to meet current physical security standards to include a guard booth.</p> <p>Built-in equipment includes one bridge crane (25-ton), fire pumps, passenger elevator (2-stops), lockers, moveable partitions and loading dock levelers.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), phasing/site access and audio/visual design.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparations include grading, earthwork, concrete and abandoned utility demolition, and contaminated soil disposal.</p> |                                              |                           |                                                                      |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                      |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32414(PH)<br>NAVSUPPACT MECHANICSBURG PA<br>(DET PHILADELPHIA PA)<br>PHILADELPHIA, PENNSYLVANIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           | 4. Project Title<br>Submarine Propulsor<br>Manufacturing Support Fac |                        |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Category Code<br>21370                    | 7. Project Number<br>P106 | 8. Project Cost (\$000)<br>71,050                                    |                        |
| <p>Special foundation features include pile supported concrete slabs for both facilities. The calibration space inside the S/R&amp;M facility will feature a vibration resistant floor requiring an isolated foundation system.</p> <p>Paving and site improvements include grading and excavation for sub-grade storm water management systems, approximately 140 parking spaces, access roads inside the fence, curbs, sidewalks, landscaping, fencing and clear zone areas around facilities and standoff distances from the perimeter fence. The perimeter fence will also feature vehicular gates and personnel turnstiles. Fencing will enclose the new buildings, site development and improvements to the north and south of Kitty Hawk Avenue, in support of foundry operations. The S/R&amp;M facility will include special pavement facilities for required material handling in shipping and receiving.</p> <p>Electrical utilities include primary and secondary distribution systems, standby/emergency power, outside lighting, concrete ductbank, transformers and telecommunications infrastructure, grounding and lightning protection.</p> <p>Mechanical utilities include heating, cooling and ventilation systems and controls, utility relocation, sanitary sewer lines, potable water supply, storm sewer and gas lines.</p> <p>Environmental mitigation includes cultural resources mitigation needed to demolish the structures in the Philadelphia Naval Shipyard Historic District.</p> <p>Demolishes Building #121 (11,980 m2) and Building #49 (605 m2). Building #121 will be demolished to clear the site for the S/R&amp;M facility. Building #49 will be demolished upon completion of the O/A facility as the functions from Building #49 will be relocated.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirement with the goal of maximizing energy efficiency.</p> <p>Project is in the 100-year flood plain. The first floor for each new building will be elevated and supported by piles above the design flood elevation for flood mitigation.</p> |                                              |                           |                                                                      |                        |
| <b>11. Requirement:</b> <u>5,032 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                      |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32414(PH)<br>NAVSUPPACT MECHANICSBURG PA<br>(DET PHILADELPHIA PA)<br>PHILADELPHIA, PENNSYLVANIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>Submarine Propulsor<br>Manufacturing Support Fac |                        |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>21370                    | 7. Project Number<br>P106 | 8. Project Cost (\$000)<br>71,050                                    |                        |
| <p><b>PROJECT:</b></p> <p>Constructs a new submarine propulsor manufacturing support facility to support the new Columbia and Virginia Class submarines. Functions are split into two buildings. One building is primarily an office and administration facility and will support an increase in staff. The second building is primarily a shipping/receiving and maintenance facility to support current operations and increases in production from new mission requirements.</p> <p><b>(New Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>Naval Foundry and Propeller Center's (NFPC) primary mission is to design, manufacture, and repair propellers for the US Navy.</p> <p>NFPC provides naval castings for the Navy and is expected to execute the design and manufacturing of Naval propulsor units on time and on budget. In order to meet this expectation, NFPC was directed to move toward 24/7 operations. With the proposed increase in workload expected in October 2018 to support the Columbia and Virginia Class propulsor manufacturing, the efficiency of the current manufacturing process must be improved. Adequate and efficiently configured facilities, strategically located to support the propulsor manufacturing process are required.</p> <p><b>CURRENT SITUATION:</b></p> <p>NFPC does not have adequate space to accommodate the programmed increase in propulsor production and number of personnel. In its current state, NFPC has no centralized location and personnel are widely scattered and one facility is located outside the NFPC security fenceline posing security issues. A makeshift shipping and inspection area occupies valuable space intended for shop functions. Essential equipment that provides NFPC the capability to carry out their mission needs to be maintained to function properly and repaired if malfunctions occur. There is no dedicated area that supports the machine head repairing function, resulting in additional delays and increased operational costs to ship the machine heads to Germany for the necessary repairs.</p> <p>Building #121 is a dilapidated 1920-era building that is vacant. The facility was never properly heated, cooled, insulated nor does it have a fire suppression system installed. NFPC currently uses Building #121 for the storage of some materials.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>The current facility spaces are inadequate to meet new mission requirements and if new facilities are not provided, significant cost and schedule impacts will result for the propulsor manufacturing programs.</p> |                                              |                           |                                                                      |                        |

|                                                                                                                                     |                                              |                           |                                                                      |                        |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32414(PH)<br>NAVSUPPACT MECHANICSBURG PA<br>(DET PHILADELPHIA PA)<br>PHILADELPHIA, PENNSYLVANIA |                                              |                           | 4. Project Title<br>Submarine Propulsor<br>Manufacturing Support Fac |                        |
| 5. Program Element<br>0703676N                                                                                                      | 6. Category Code<br>21370                    | 7. Project Number<br>P106 | 8. Project Cost (\$000)<br>71,050                                    |                        |

**12. Supplemental Data:**

A. Estimated Design Data:

1. Status:

|                                                          |                  |
|----------------------------------------------------------|------------------|
| (A) Date design or Parametric Cost Estimate started      | 09/2016          |
| (B) Date 35% Design or Parametric Cost Estimate complete | 03/2017          |
| (C) Date design completed                                | 08/2018          |
| (D) Percent completed as of September 2017               | 15%              |
| (E) Percent completed as of January 2018                 | 35%              |
| (F) Type of design contract                              | Design Bid Build |
| (G) Parametric Estimate used to develop cost             | Yes              |
| (H) Energy Study/Life Cycle Analysis performed           | Yes              |

2. Basis:

|                                      |     |
|--------------------------------------|-----|
| (A) Standard or Definitive Design    | No  |
| (B) Where design was previously used | N/A |

3. Total Cost (C) = (A) + (B) = (D) + (E):

|                                            |         |
|--------------------------------------------|---------|
| (A) Production of plans and specifications | \$4,260 |
| (B) All other design costs                 | \$2,130 |
| (C) Total                                  | \$6,390 |
| (D) Contract                               | \$5,150 |
| (E) In-house                               | \$1,240 |

4. Contract award: 02/2019

5. Construction start: 02/2019

6. Construction complete: 07/2021

B. Equipment associated with this project which will be provided from other appropriations:

| <u>Equipment</u>                              | <u>Procuring</u> | <u>FY Approp</u>    | <u>Cost (\$000)</u> |
|-----------------------------------------------|------------------|---------------------|---------------------|
| <u>Nomenclature</u>                           | <u>Approp</u>    | <u>or Requested</u> |                     |
| AV Equipment                                  | OMN              | 2020                | 843                 |
| Calibration Lab Equipment                     | OMN              | 2020                | 150                 |
| Computer Equipment                            | OMN              | 2020                | 250                 |
| Furniture/Storage                             | OMN              | 2020                | 1,971               |
| Heavy Duty Storage & Shipping/Receiving Racks | OMN              | 2020                | 500                 |
| Non-NMCI Classified Computer Network          | OMN              | 2020                | 250                 |
| Three Spindle Stands                          | OMN              | 2020                | 150                 |

**JOINT USE CERTIFICATION:**

The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, classified work product and location are incompatible with use by other activities.

Activity POC: Project Development Lead      Phone No: 215-897-4606

|                                                                                                                                     |                                              |                           |                                                                      |                        |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32414(PH)<br>NAVSUPPACT MECHANICSBURG PA<br>(DET PHILADELPHIA PA)<br>PHILADELPHIA, PENNSYLVANIA |                                              |                           | 4. Project Title<br>Submarine Propulsor<br>Manufacturing Support Fac |                        |
| 5. Program Element<br>0703676N                                                                                                      | 6. Category Code<br>21370                    | 7. Project Number<br>P106 | 8. Project Cost (\$000)<br>71,050                                    |                        |
| <b>Blank Page</b>                                                                                                                   |                                              |                           |                                                                      |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|-----------------|--------------|-------------------------------------------------|-------------|-----|------------------------------------|-----|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |                 |              |                                                 |             |     | 2. Date<br>05 FEB 2018             |     |                  |
| 3. Installation and Location: M60169<br>MARINE CORPS AIR STATION BEAUFORT<br>BEAUFORT, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |              | 4. Command<br>Commandant of the<br>Marine Corps |             |     | 5. Area Const<br>Cost Index<br>.92 |     |                  |
| 6. Personnel<br>Strength:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              | PERMANENT            |                 |              | STUDENTS                                        |             |     | SUPPORT                            |     | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              | OFF                  | ENL             | CIV          | OFF                                             | ENL         | CIV | OFF                                | ENL | CIV              |
| A. As Of 09-30-17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              | 356                  | 3052            | 1237         | 14                                              | 0           | 0   | 0                                  | 0   | 7398             |
| B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              | 365                  | 3207            | 1237         | 20                                              | 0           | 0   | 0                                  | 0   | 7398             |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
| A. TOTAL ACREAGE ..(7964 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |              |                                                 |             |     |                                    |     | 1,381,735        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |                 |              |                                                 |             |     |                                    |     | 42,010           |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |              |                                                 |             |     |                                    |     | 9,517            |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |              |                                                 |             |     |                                    |     | 6,160            |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |                 |              |                                                 |             |     |                                    |     | 171,530          |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |                 |              |                                                 |             |     |                                    |     | 488,005          |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |                 |              |                                                 |             |     |                                    |     | <b>2,098,957</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              | <u>Design Status</u> |                 |              |                                                 | <u>Cost</u> |     |                                    |     |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u>Project Title</u>                         | <u>Start</u>         | <u>Complete</u> | <u>Scope</u> | <u>(\$000)</u>                                  |             |     |                                    |     |                  |
| 83141                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Recycling/Hazardous Waste Facility           | 03/2010              | 03/2019         | 1560 m2      | 9,517                                           |             |     |                                    |     |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |              | TOTAL                                           | 9,517       |     |                                    |     |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
| 14187 Cryogenics Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |                 |              |                                                 |             |     |                                    |     | 6,160            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |              |                                                 |             |     |                                    |     | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |              |                                                 |             |     |                                    |     | 6,160            |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
| 12150 Jet Fuel Storage Expansion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |              |                                                 |             |     |                                    |     | 19,850           |
| 21105 Aircraft Maintenance Hangar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                      |                 |              |                                                 |             |     |                                    |     | 80,400           |
| 13117 Upgrade Communication Infrastructure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |              |                                                 |             |     |                                    |     | 28,900           |
| 13117 Consolidated Communications Complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |                 |              |                                                 |             |     |                                    |     | 37,340           |
| 14986 JSF Operations Support Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |              |                                                 |             |     |                                    |     | 5,040            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |              |                                                 |             |     |                                    |     | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |              |                                                 |             |     |                                    |     | 171,530          |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |              |                                                 |             |     |                                    |     | 129,988          |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
| Marine Corps Air Station Beaufort supports and enhances the combat readiness of the Marine Corps Aviation Combat Element and Department of Defense units while improving the quality of life for military personnel, their families, and work force assigned to the Air Station. The Air Station maintains facilities and property, provides security and other services, and operates the airfield in support of tenant units and other forces training/preparing for combat in order to deter, prevent, and defeat threats and aggression aimed at the United States. |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |              |                                                 |             |     |                                    |     |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |              |                                                 |             |     |                                    |     | 0                |

|                                                                                                       |                                              |                                                 |                                    |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------|------------------------------------|
| 1. Component<br>NAVY                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                                                 | 2. Date<br>05 FEB 2018             |
| 3. Installation and Location: M60169<br>MARINE CORPS AIR STATION BEAUFORT<br>BEAUFORT, SOUTH CAROLINA |                                              | 4. Command<br>Commandant of the<br>Marine Corps | 5. Area Const<br>Cost Index<br>.92 |
| B. Occupational Safety and Health(OSH)(#):                                                            |                                              |                                                 | 0                                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                           |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                           | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M60169<br>MARINE CORPS AIR STATION BEAUFORT<br>BEAUFORT, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>Recycling/Hazardous Waste<br>Facility |                        |
| 5. Program Element<br>83141M                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>83141                    | 7. Project Number<br>P487 | 8. Project Cost (\$000)<br>9,517                          |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                           |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                           | UM                                           | Quantity                  | Unit Cost                                                 | Cost(\$000)            |
| RECYCLING/HAZARDOUS WASTE FACILITY<br>(16,792SF)                                                                                                                                                                                                                                                                                                                                                                               | m2                                           | 1,560                     |                                                           | 4,750                  |
| HAZARDOUS WASTE STORAGE<br>FACILITY CC83141 (15,005SF)                                                                                                                                                                                                                                                                                                                                                                         | m2                                           | 1,394                     | 2,362.94                                                  | (3,290)                |
| ADMINISTRATIVE FACILITY<br>CC61010 (1,787SF)                                                                                                                                                                                                                                                                                                                                                                                   | m2                                           | 166                       | 3,325.3                                                   | (550)                  |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                           | (260)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                                           | (490)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                           | (80)                   |
| SUSTAINABILITY AND ENERGY<br>FEATURES                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                           | (80)                   |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                           | 3,530                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                           | (610)                  |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                           | (760)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                                           | (1,200)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                                           | (470)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                                           | (180)                  |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                           | (310)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                           | 8,280                  |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                           | 410                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                           | 8,690                  |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                           | 500                    |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                           | 9,190                  |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                           | 330                    |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                           | 9,520                  |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                           | 9,517                  |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                           | (374)                  |
| <b>10. Description of Proposed Construction:</b><br>Construct a low rise steel-framed, reinforced concrete masonry unit (CMU) building with exterior split-faced CMU veneer, standing seam metal roof system, and pile foundation. Interior construction includes metal stud gypsum wall board, heating, ventilation and air conditioning. The project will include receipt, processing, covered storage, staging and transfer |                                              |                           |                                                           |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                           |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                           | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M60169<br>MARINE CORPS AIR STATION BEAUFORT<br>BEAUFORT, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           | 4. Project Title<br>Recycling/Hazardous Waste<br>Facility |                        |
| 5. Program Element<br>83141M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6. Category Code<br>83141                    | 7. Project Number<br>P487 | 8. Project Cost (\$000)<br>9,517                          |                        |
| <p>areas, personnel support spaces and administrative areas.</p> <p>Construct a low rise steel-framed, reinforced CMU structure housing the administrative offices, toilets, showers and lockers, storage, conference room, break area and utility spaces.</p> <p>This project will provide Anti-Terrorism/Force Protection (ATFP) features and comply with ATFP regulations, physical security and progressive collapse mitigation in accordance with DOD Minimum Anti-Terrorism Standards for Buildings. The cost for these features are included within the cost of the primary facilities.</p> <p>Information systems include telephone, computer network, fiber optic, cable television, security and fire alarm systems and intrusion detection/automated access control infrastructure.</p> <p>Built-in equipment includes gear lockers, cases and shelving.</p> <p>Special costs include post construction contract award services which includes geospatial surveying and mapping.</p> <p>Operations and maintenance support information is included in this project.</p> <p>Department of Defense (DoD) and Department of the Navy (DON) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Paving and site improvements includes asphalt parking, sidewalks and landscaping.</p> <p>Demolition includes Building #1258 (399 m2), Building #1030 (152 m2) and Building #1205 (606 m2). The current operations facilities are classified as semi-permanent and have reached the end of their useful life.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                           |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                           |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                           | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M60169<br>MARINE CORPS AIR STATION BEAUFORT<br>BEAUFORT, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           | 4. Project Title<br>Recycling/Hazardous Waste<br>Facility |                        |
| 5. Program Element<br>83141M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>83141                    | 7. Project Number<br>P487 | 8. Project Cost (\$000)<br>9,517                          |                        |
| <b>11. Requirement:</b> <u>1,560 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Construct a recycling/hazardous waste storage complex consisting of a hazardous waste storage facility, an administrative office and covered storage to minimize contaminated run-off from the facility.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>MCAS Beaufort requires adequate and efficiently configured facilities to support recycling across the installation and to provide proper handling and storage of hazardous waste. It also requires the relocation of the existing facility because it is in the direct flight path of the vertical landing pads.<br><b>CURRENT SITUATION:</b><br>The existing recycling and hazardous waste storage complex, built in the mid-1990s, is considered semi-permanent construction. The current complex is located in the direct flight path of the vertical landing pads that support F-35 operations. The location of the landing pads was driven by airfield requirements for distance from the runway centerline to allow for simultaneous vertical landing and runway operations.<br><br>The complex is in a noise hazard area adjacent to the runway and hearing protection is required for personnel working in the complex. None of the structures contain any sound attenuation construction features. Increased operations due to the basing of the F-35 aircraft will increase the occurrence of high noise levels, resulting in daily health risk for hearing loss to personnel that work at or visit the complex.<br><b>IMPACT IF NOT PROVIDED:</b><br>Personnel exposure to hazardous noise levels (approximately 27 exposures daily of up to 130 decibels) will rise significantly with transition to the F-35 due to proximity to runway and location of the vertical landing pads. When the next squadron arrives if there is no unrestricted use of the vertical landing pad, flight operations will need to be curtailed. And without the ability to conduct simultaneous vertical landings and conventional landings, flights will be lost due to congestion of overhead airspace and full training requirements of F-35 training squadron will not be met. |                                              |                           |                                                           |                        |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 03/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                           |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                           | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |     |                                      |       |      |     |                   |     |      |    |
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| 3. Installation(SA)& Location/UIC: M60169<br>MARINE CORPS AIR STATION BEAUFORT<br>BEAUFORT, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           | 4. Project Title<br>Recycling/Hazardous Waste<br>Facility |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |     |                                      |       |      |     |                   |     |      |    |
| 5. Program Element<br>83141M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>83141                    | 7. Project Number<br>P487 | 8. Project Cost (\$000)<br>9,517                          |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |     |                                      |       |      |     |                   |     |      |    |
| (B) Date 35% Design or Parametric Cost Estimate complete 09/2017<br>(C) Date design completed 03/2019<br>(D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 25%<br>(F) Type of design contract Design Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed No<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$177<br>(B) All other design costs \$265<br>(C) Total \$442<br>(D) Contract \$288<br>(E) In-house \$154<br>4. Contract award: 12/2018<br>5. Construction start: 04/2019<br>6. Construction complete: 12/2020<br>B. Equipment associated with this project which will be provided from<br>other appropriations:<br><table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td>O&amp;MMC</td> <td>2020</td> <td>199</td> </tr> <tr> <td>Communication and Computer Equipment</td> <td>O&amp;MMC</td> <td>2020</td> <td>125</td> </tr> <tr> <td>Physical Security</td> <td>PMC</td> <td>2020</td> <td>50</td> </tr> </tbody> </table> |                                              |                           |                                                           |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Collateral Equipment | O&MMC | 2020 | 199 | Communication and Computer Equipment | O&MMC | 2020 | 125 | Physical Security | PMC | 2020 | 50 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>Procuring</u>                             | <u>FY Approp</u>          |                                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |     |                                      |       |      |     |                   |     |      |    |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                                       |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |     |                                      |       |      |     |                   |     |      |    |
| Collateral Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O&MMC                                        | 2020                      | 199                                                       |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |     |                                      |       |      |     |                   |     |      |    |
| Communication and Computer Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | O&MMC                                        | 2020                      | 125                                                       |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |     |                                      |       |      |     |                   |     |      |    |
| Physical Security                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PMC                                          | 2020                      | 50                                                        |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |     |                                      |       |      |     |                   |     |      |    |
| JOINT USE CERTIFICATION:<br>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |     |                                      |       |      |     |                   |     |      |    |
| Activity POC: Project Development Lead      Phone No: (757) 341-0350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                           |                        |                  |                  |                  |  |                     |               |                     |                     |                      |       |      |     |                                      |       |      |     |                   |     |      |    |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------|-----|----------|-------------------------------------------------|----------------------|-----------------|------------------------------------|----------------|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>   |      |     |          |                                                 |                      |                 | 2. Date<br>05 FEB 2018             |                |                  |
| 3. Installation and Location: M00263<br>MCRD/BEAUFORT PI SC<br>PARRIS ISLAND, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                |      |     |          | 4. Command<br>Commandant of the<br>Marine Corps |                      |                 | 5. Area Const<br>Cost Index<br>.92 |                |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PERMANENT                                      |      |     | STUDENTS |                                                 |                      | SUPPORT         |                                    |                | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | OFF                                            | ENL  | CIV | OFF      | ENL                                             | CIV                  | OFF             | ENL                                | CIV            |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 255                                            | 2117 | 496 | 12       | 20491                                           | 0                    | 0               | 0                                  | 7364           | 30735            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 255                                            | 2116 | 496 | 12       | 19531                                           | 0                    | 0               | 0                                  | 7364           | 29774            |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                |      |     |          |                                                 |                      |                 |                                    |                |                  |
| A. TOTAL ACREAGE ..(6717 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                |      |     |          |                                                 |                      |                 |                                    |                |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |      |     |          |                                                 |                      |                 |                                    |                | 1,558,410        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                |      |     |          |                                                 |                      |                 |                                    |                | 27,075           |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                |      |     |          |                                                 |                      |                 |                                    |                | 35,190           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |      |     |          |                                                 |                      |                 |                                    |                | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                |      |     |          |                                                 |                      |                 |                                    |                | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                |      |     |          |                                                 |                      |                 |                                    |                | 197,684          |
| <b>H. GRAND TOTAL .....</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                |      |     |          |                                                 |                      |                 |                                    |                | <b>1,818,359</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                |      |     |          |                                                 |                      |                 |                                    |                |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |      |     |          |                                                 | <u>Design Status</u> |                 | <u>Cost</u>                        |                |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u>Project Title</u>                           |      |     |          |                                                 | <u>Start</u>         | <u>Complete</u> | <u>Scope</u>                       | <u>(\$000)</u> |                  |
| 17940                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Range Improvements &<br>Modernization, Phase 2 |      |     |          |                                                 | 09/2016              | 09/2018         | 0 LS                               | 35,190         |                  |
| TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                |      |     |          |                                                 |                      |                 |                                    | 35,190         |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                |      |     |          |                                                 |                      |                 |                                    |                |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                |      |     |          |                                                 |                      |                 |                                    |                |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                |      |     |          |                                                 |                      |                 |                                    |                |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |      |     |          |                                                 |                      |                 |                                    |                | 210,237          |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                |      |     |          |                                                 |                      |                 |                                    |                |                  |
| Marine Corp Recruit Depot Parris Island provides reception, processing and recruit training for enlisted personnel upon their entry into the Marine Corps. The depot also provides recruits with battle skills training and provides schools to train enlisted personnel in the administrative duties of first sergeant, sergeant major and administrative chief. The depot trains drill instructors and drum and bugle corps members and conducts rifle marksmanship training for Marine officers and enlisted personnel. |                                                |      |     |          |                                                 |                      |                 |                                    |                |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |      |     |          |                                                 |                      |                 |                                    |                |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |      |     |          |                                                 |                      |                 |                                    |                | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |      |     |          |                                                 |                      |                 |                                    |                | 0                |

|                                                                                              |                                                 |                                    |
|----------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------|
| 1. Component<br>NAVY                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>    | 2. Date<br>05 FEB 2018             |
| 3. Installation and Location: M00263<br>MCRD/BEAUFORT PI SC<br>PARRIS ISLAND, SOUTH CAROLINA | 4. Command<br>Commandant of the<br>Marine Corps | 5. Area Const<br>Cost Index<br>.92 |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00263<br>MCRD/BEAUFORT PI SC<br>PARRIS ISLAND, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                                                    |                                              |                           | 4. Project Title<br>Range Improvements &<br>Modernization, Phase 2 |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>17940                    | 7. Project Number<br>P404 | 8. Project Cost (\$000)<br>35,190                                  |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                                    |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                 | UM                                           | Quantity                  | Unit Cost                                                          | Cost(\$000)            |
| RANGE IMPROVEMENTS &<br>MODERNIZATION, PHASE 2                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                                                    | 18,130                 |
| HUE CITY RANGE CC17940                                                                                                                                                                                                                                                                                                                                                                                                                               | AC                                           | 45                        | 332,561.2                                                          | (14,970)               |
| PIT HEAD CC73075 (2,024SF)                                                                                                                                                                                                                                                                                                                                                                                                                           | m2                                           | 188                       | 8,109.39                                                           | (1,520)                |
| TARGET STORAGE CC17310<br>(2,960SF)                                                                                                                                                                                                                                                                                                                                                                                                                  | m2                                           | 275                       | 1,962.7                                                            | (540)                  |
| BUTTS HOUSE CC17310 (118SF)                                                                                                                                                                                                                                                                                                                                                                                                                          | m2                                           | 11                        | 7,427.02                                                           | (80)                   |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                                                    | (350)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                                                    | (500)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                                    | (170)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                    | 13,570                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                                                    | (200)                  |
| PAVEMENT FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                                                    | (2,000)                |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                                    | (2,520)                |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                                    | (2,070)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                                                    | (1,860)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                                                    | (1,220)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                                                    | (2,580)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                                    | (930)                  |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                                                    | (190)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                                    | 31,700                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                    | 1,590                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                                    | 33,290                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                                    | 1,900                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                                    | 35,190                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                    | 35,190                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                                    | 35,190                 |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                    |                        |
| Construct a new rifle range in the same location as the existing Hue City Range. The range will consist of a target area berm, retaining walls, Safety side walls, a safety tunnel, and 600 yard range berm. Side walls with acoustic insulation will also be included. Earth berm structures include a behind the target bullet impact berm with side and rear retaining walls as appropriate with flat lead mining equipment maintenance surfaces. |                                              |                           |                                                                    |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                                    |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00263<br>MCRD/BEAUFORT PI SC<br>PARRIS ISLAND, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           | 4. Project Title<br>Range Improvements &<br>Modernization, Phase 2 |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>17940                    | 7. Project Number<br>P404 | 8. Project Cost (\$000)<br>35,190                                  |                        |
| <p>Construct restroom facility consisting of concrete or reinforced concrete masonry unit structure with stucco exterior and concrete slab on grade.</p> <p>Construct target storage building consisting of concrete or reinforced concrete masonry unit structure with stucco exterior and concrete slab on grade.</p> <p>Construct "Butts" control house consisting of concrete or reinforced concrete masonry unit structures with stucco exterior and concrete slab on grade.</p> <p>Built-in equipment will include a Butt System benches, Butt System target numbers, relocated Butt System target lifters, flag poles, and firing line benches.</p> <p>Special Costs include Post Construction Contract Award Services (PCAS) and geospatial mapping and survey.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Pavement facilities include asphalt range roads, asphalt maintenance roads, butt area asphalt work/vehicle apron and asphalt range control tower road. Also, the KD range will have multiple rubberized firing lines supported by an asphalt surface and aggregate base.</p> <p>Site preparation includes site clearing, grubbing, excavation and preparation for construction, demolition of existing concrete structures, existing paving and utilities. Site earthwork and berm stabilization are also included.</p> <p>Special foundation features include piles as appropriate for the facilities and retaining wall structures.</p> <p>Paving and site improvements include parking for approximately 75 vehicles, landscaping, infiltration trenches, general flat area seeding and sprinkler</p> |                                              |                           |                                                                    |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                                    |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00263<br>MCRD/BEAUFORT PI SC<br>PARRIS ISLAND, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>Range Improvements &<br>Modernization, Phase 2 |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>17940                    | 7. Project Number<br>P404 | 8. Project Cost (\$000)<br>35,190                                  |                        |
| <p>irrigation.</p> <p>Electrical utilities include primary and secondary distribution systems, transformers, and telecommunications infrastructure to include speakers mounted on elevated poles.</p> <p>Mechanical utilities include water lines, a sewage lift station, sanitary sewer lines, storm drainage piping and outfall improvements.</p> <p>Environmental mitigation will include wetland mitigation, unexploded ordnance Mitigation, and archeological monitoring.</p> <p>Range support buildings to be demolished include Building #747 Target area head (34.84 m2), #748 target area head (44.78 m2), #7015 Target house (104.05 m2), #7016 Butts control house (4.09 m2), #7017 target house (104.05 m2), and 300-yard range head (70.60 m2).</p> <p>Facilities will be designed to meet the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirement with the goal of maximizing energy efficiency.</p> <p>The project site is located in the 100-year floodplain. A flood damage vulnerability assessment has been completed. Floodplain mitigation measures will be incorporated in this project. Target storage buildings and the head facilities are to be constructed with concrete.</p> |                                              |                           |                                                                    |                        |
| <p><b>11. Requirement:</b>                      <b>Adequate:</b>                      <b>Substandard:</b></p> <p><b>PROJECT:</b></p> <p>Constructs a replacement range, support facilities, earthen impact berms to stop lead and copper projectiles from entering the neighboring marsh and river, and extension of safety berms to protect personnel on adjacent ranges.</p> <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>MCRD Parris Island has a requirement to provide safe rifle ranges to train recruits that must qualify with their service rifles before they can graduate. Range operations are required to be protective of the public and environment. Training operations dictates upgrades can only be accomplished at one range at a time.</p> <p><b>CURRENT SITUATION:</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                                    |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| 3. Installation(SA)& Location/UIC: M00263<br>MCRD/BEAUFORT PI SC<br>PARRIS ISLAND, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           | 4. Project Title<br>Range Improvements &<br>Modernization, Phase 2 |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>17940                    | 7. Project Number<br>P404 | 8. Project Cost (\$000)<br>35,190                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| <p>Weapons Battalion ranges and facilities are essential to MCRD Parris Island's recruit training mission. There are four KD ranges, one unknown distance range and three pistol ranges. All are necessary to meet entry level and annual weapons training requirements and over 20,000 recruits annually qualify on the ranges each year. The current state of the ranges and facilities in support of MCRD Parris Island's weapons training operations present an unacceptable risk to environment and safety.</p> <p>An estimated 60,000 pounds of lead and 35,000 pounds of copper enter the nearby wetlands from required qualify/requalify training. MCRD Parris Island KD ranges do not have earthen impact berms to retain and prevent rounds from landing in the adjacent wetlands and safety berms between different ranges do not fully meet height and length criteria. The general area has commercial and recreational fishing and shell fish activities requiring the area to be cordoned off when ranges are active. Continued accumulation of lead/copper in the wetlands and waterways is increasing negative impacts.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Without earthen impact berms and fully sufficient safety berms, continued operations might not be possible and the ranges would have to be closed or require curtailment of operating hours. Curtailment or closure of live fire weapons training at MCRD Parris Island will have serious detrimental impact for the mission of the Depot to process recruits to become Marines.</p> |                                              |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2016</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>03/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>09/2018</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>15%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>Yes</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$2,343</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$893</td> </tr> <tr> <td>(C) Total</td> <td>\$3,236</td> </tr> <tr> <td>(D) Contract</td> <td>\$2,605</td> </tr> </table>                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                                    |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 03/2017 | (C) Date design completed | 09/2018 | (D) Percent completed as of September 2017 | 15% | (E) Percent completed as of January 2018 | 35% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | Yes | (A) Standard or Definitive Design | No | (B) Where design was previously used |  | (A) Production of plans and specifications | \$2,343 | (B) All other design costs | \$893 | (C) Total | \$3,236 | (D) Contract | \$2,605 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 09/2016                                      |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 03/2017                                      |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 09/2018                                      |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 15%                                          |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 35%                                          |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Design Bid Build                             |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes                                          |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes                                          |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No                                           |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \$2,343                                      |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \$893                                        |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$3,236                                      |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$2,605                                      |                           |                                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |       |           |         |              |         |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00263<br>MCRD/BEAUFORT PI SC<br>PARRIS ISLAND, SOUTH CAROLINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           | 4. Project Title<br>Range Improvements &<br>Modernization, Phase 2 |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>17940                    | 7. Project Number<br>P404 | 8. Project Cost (\$000)<br>35,190                                  |                        |
| (E) In-house \$631<br>4. Contract award: 12/2018<br>5. Construction start: 01/2019<br>6. Construction complete: 12/2020<br>B. Equipment associated with this project which will be provided from<br>other appropriations: NONE<br>JOINT USE CERTIFICATION:<br>The Director Land Use and Military Construction Branch, Installations and<br>Logistics Department, Headquarters Marine Corps certifies that this project<br>has been considered for joint use potential. Unilateral Construction is<br>recommended. Mission requirements, operational considerations, and<br>location are incompatible with use by other components.<br><br>Activity POC: Project Development Lead      Phone No: 843-228-4831 |                                              |                           |                                                                    |                        |

|                                                                                                   |                                              |                           |                                                                    |                        |
|---------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00263<br>MCRD/BEAUFORT PI SC<br>PARRIS ISLAND, SOUTH CAROLINA |                                              |                           | 4. Project Title<br>Range Improvements &<br>Modernization, Phase 2 |                        |
| 5. Program Element<br>0202176M                                                                    | 6. Category Code<br>17940                    | 7. Project Number<br>P404 | 8. Project Cost (\$000)<br>35,190                                  |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |     |     |          |     |                      |                                                       | 2. Date<br>05 FEB 2018 |                                     |                |
| 3. Installation and Location: N60495<br>NAS FALLON NV<br>HILL AFB, UTAH                                                                                                                                                  |                                              |     |     |          |     |                      | 4. Command<br>Commander Navy<br>Installations Command |                        | 5. Area Const<br>Cost Index<br>1.03 |                |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                         | PERMANENT                                    |     |     | STUDENTS |     |                      | SUPPORT                                               |                        |                                     | TOTAL          |
|                                                                                                                                                                                                                          | OFF                                          | ENL | CIV | OFF      | ENL | CIV                  | OFF                                                   | ENL                    | CIV                                 |                |
|                                                                                                                                                                                                                          | 65                                           | 606 | 178 | 0        | 0   | 0                    | 448                                                   | 1287                   | 0                                   | 2584           |
|                                                                                                                                                                                                                          | 63                                           | 623 | 178 | 0        | 0   | 0                    | 448                                                   | 1287                   | 0                                   | 2599           |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                         |                                              |     |     |          |     |                      |                                                       |                        |                                     |                |
| A. TOTAL ACREAGE ..( Acres)                                                                                                                                                                                              |                                              |     |     |          |     |                      |                                                       |                        |                                     |                |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                     |                                              |     |     |          |     |                      |                                                       |                        |                                     | 0              |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                              |                                              |     |     |          |     |                      |                                                       |                        |                                     | 27,763         |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                         |                                              |     |     |          |     |                      |                                                       |                        |                                     | 105,520        |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                     |                                              |     |     |          |     |                      |                                                       |                        |                                     | 0              |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                             |                                              |     |     |          |     |                      |                                                       |                        |                                     | 0              |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                            |                                              |     |     |          |     |                      |                                                       |                        |                                     | 86,560         |
| <b>H. GRAND TOTAL .....</b>                                                                                                                                                                                              |                                              |     |     |          |     |                      |                                                       |                        |                                     | <b>219,843</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                    |                                              |     |     |          |     |                      |                                                       |                        |                                     |                |
| <u>Cat</u>                                                                                                                                                                                                               |                                              |     |     |          |     | <u>Design Status</u> |                                                       | <u>Cost</u>            |                                     |                |
| <u>Code</u>                                                                                                                                                                                                              | <u>Project Title</u>                         |     |     |          |     | <u>Start</u>         | <u>Complete</u>                                       | <u>Scope</u>           | <u>(\$000)</u>                      |                |
| 42182                                                                                                                                                                                                                    | D5 Missile Motor<br>Receipt/Storage Facility |     |     |          |     | 09/2016              | 10/2018                                               | 0 LS                   | 105,520                             |                |
| TOTAL                                                                                                                                                                                                                    |                                              |     |     |          |     |                      |                                                       |                        | 105,520                             |                |
| 9. Future Projects:                                                                                                                                                                                                      |                                              |     |     |          |     |                      |                                                       |                        |                                     |                |
| A. Included In The Following Program:                                                                                                                                                                                    |                                              |     |     |          |     |                      |                                                       |                        |                                     |                |
| B. Major Planned Next Three Years:                                                                                                                                                                                       |                                              |     |     |          |     |                      |                                                       |                        |                                     |                |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                     |                                              |     |     |          |     |                      |                                                       |                        |                                     | 334,667        |
| 10. Mission or Major Functions:                                                                                                                                                                                          |                                              |     |     |          |     |                      |                                                       |                        |                                     |                |
| Hill Air Force Base is an Air Force Materiel Command base located in northern Utah. It is the Air Force's second largest base by population and geographical size, and is home to many operational and support missions. |                                              |     |     |          |     |                      |                                                       |                        |                                     |                |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                               |                                              |     |     |          |     |                      |                                                       |                        |                                     |                |
| A. Pollution Abatement(*):                                                                                                                                                                                               |                                              |     |     |          |     |                      |                                                       |                        |                                     | 0              |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                               |                                              |     |     |          |     |                      |                                                       |                        |                                     | 0              |

|                                                                         |                                                       |                                     |
|-------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N60495<br>NAS FALLON NV<br>HILL AFB, UTAH | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.03 |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                  | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60495(HL)<br>NAS FALLON NV<br>(HILL AFB SITE #1)<br>HILL AFB, UTAH                                                                                                                                                                                                                                                                               |                                              |                           | 4. Project Title<br>D5 Missile Motor<br>Receipt/Storage Facility |                        |
| 5. Program Element<br>0712976N                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>42182                    | 7. Project Number<br>P822 | 8. Project Cost (\$000)<br>105,520                               |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                                  |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                 | UM                                           | Quantity                  | Unit Cost                                                        | Cost(\$000)            |
| D5 MISSILE MOTOR RECEIPT/STORAGE FACILITY                                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                                                  | 76,110                 |
| RAILROAD TRACK CC86010 (15MI)                                                                                                                                                                                                                                                                                                                                                        | km                                           | 23.5                      | 2,007,171.54                                                     | (47,170)               |
| MAGAZINES CC42182 (51,570SF)                                                                                                                                                                                                                                                                                                                                                         | m2                                           | 4,791                     | 4,607.86                                                         | (22,080)               |
| EXPLO SHIPPING/TRAN FACILITY CC14360 (7,750SF)                                                                                                                                                                                                                                                                                                                                       | m2                                           | 720                       | 5,485.55                                                         | (3,950)                |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                                                  | (1,240)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                                                  | (930)                  |
| OPERATION & MAINTENANCE SUPP INFO (OMSI)                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                                  | (740)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                  | 18,970                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                                                  | (210)                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                                  | (9,430)                |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                                  | (500)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                                                  | (2,050)                |
| ANTI-TERRORISM/FORCE PROTECTION                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                                  | (710)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                                                  | (4,210)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                                                  | (1,860)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                                  | 95,080                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                                  | 4,750                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                                  | 99,830                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                                  | 5,690                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                                  | 105,520                |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                  | 105,520                |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                                  | 105,520                |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                                  | (116)                  |
| <b>10. Description of Proposed Construction:</b><br>Constructs approximately fifteen miles of railroad track, turnouts, turn-around and rail car holding area.<br><br>Constructs eighteen earth-covered concrete modular storage magazines, each with mechanical rooms, an elevated concrete dock and floor with air-pallet-bearing floor finish and reinforced concrete foundation. |                                              |                           |                                                                  |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                                  |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                  | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60495(HL)<br>NAS FALLON NV<br>(HILL AFB SITE #1)<br>HILL AFB, UTAH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>D5 Missile Motor<br>Receipt/Storage Facility |                        |
| 5. Program Element<br>0712976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>42182                    | 7. Project Number<br>P822 | 8. Project Cost (\$000)<br>105,520                               |                        |
| <p>Constructs a single story steel-framed, metal-insulated-paneled wall and roof, pre-engineered building motor transfer facility (MTF) with high-bay, elevated concrete dock with air-pallet-bearing floor finish and reinforced concrete foundation.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment at the MTF includes a bridge crane (60-tons) with dual trolleys.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes site clearing, excavation and preparation for construction.</p> <p>Paving and site improvements include grading, parking, roadways, fencing and signs.</p> <p>Electrical utilities include primary and secondary distribution systems, outside lighting, transformers and telecommunications infrastructure.</p> <p>Mechanical utilities include sanitary sewer lines and potable water supply lines.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                                  |                        |
| <b>11. Requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              | <b>Adequate:</b>          | <b>Substandard:</b>                                              |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                  | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60495(HL)<br>NAS FALLON NV<br>(HILL AFB SITE #1)<br>HILL AFB, UTAH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           | 4. Project Title<br>D5 Missile Motor<br>Receipt/Storage Facility |                        |
| 5. Program Element<br>0712976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Category Code<br>42182                    | 7. Project Number<br>P822 | 8. Project Cost (\$000)<br>105,520                               |                        |
| <p><b>PROJECT:</b><br/>Constructs approximately fifteen miles of new railroad track, a new motor transfer facility, and eighteen new missile motor magazines (MMMs).<br/><b>(New Mission)</b></p> <p><b>REQUIREMENT:</b><br/>Adequate and efficiently configured facilities are required to receive missile motors via rail, transfer missile motors from railcars to on-base transporters, and stage missile motors for demilitarization (demil).<br/><br/>The Utah Test and Training Range (UTTR) is the only approved and permitted site for demil of large rocket motors. Demil of a missile motor is highly dependent on local environmental conditions at the time of scheduled demil. The MMMs will provide staging and ready access to missile motors for demil, maximize the demil rate, and relieve inadequate storage capability at the Strategic Weapons Facilities (SWFs).<br/><br/>The TRIDENT II D5 first and second stage motors are transported via rail in specially designed boxcars for cross country shipments. These boxcars contain many safety features and are the only method of transporting these large motors across the country.</p> <p><b>CURRENT SITUATION:</b><br/>Missile motors are either deployed on SSBN submarines, stored in existing MMMs, or undergoing maintenance and assembly. SWF magazines are at or near capacity. There is no additional D5 missile motor storage capacity at the UTTR. Staging motors off-station, in the vicinity of the UTTR, is problematic given the time it would take to transport to the demil site at the UTTR, and the narrow window of opportunity to conduct the demil. There is no existing rail trackage at the UTTR.<br/><br/>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b><br/>Motor storage capacity of existing magazines at the SWFs will be exceeded in 2022. If capacity is reached, the SWFs cannot accept new production motor deliveries to support replacement of aging motors in the fleet, and will result in a gap for motor production. This will result in significant costs to either sustain or re-constitute motor production capability (&gt;\$500 million) to restart the production line. Aged assets removed from SSBNs will not be able to be replaced, resulting in unmet STRATCOM targeting requirements.</p> |                                              |                           |                                                                  |                        |
| <p><b>12. Supplemental Data:</b><br/>A. Estimated Design Data:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                                  |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                  | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
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| 3. Installation(SA)& Location/UIC: N60495(HL)<br>NAS FALLON NV<br>(HILL AFB SITE #1)<br>HILL AFB, UTAH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           | 4. Project Title<br>D5 Missile Motor<br>Receipt/Storage Facility |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| 5. Program Element<br>0712976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6. Category Code<br>42182                    | 7. Project Number<br>P822 | 8. Project Cost (\$000)<br>105,520                               |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| <p>1. Status:</p> <table style="width: 100%; border: none;"> <tr><td>(A) Date design or Parametric Cost Estimate started</td><td style="text-align: right;">09/2016</td></tr> <tr><td>(B) Date 35% Design or Parametric Cost Estimate complete</td><td style="text-align: right;">03/2017</td></tr> <tr><td>(C) Date design completed</td><td style="text-align: right;">10/2018</td></tr> <tr><td>(D) Percent completed as of September 2017</td><td style="text-align: right;">15%</td></tr> <tr><td>(E) Percent completed as of January 2018</td><td style="text-align: right;">35%</td></tr> <tr><td>(F) Type of design contract</td><td style="text-align: right;">Design Bid Build</td></tr> <tr><td>(G) Parametric Estimate used to develop cost</td><td style="text-align: right;">Yes</td></tr> <tr><td>(H) Energy Study/Life Cycle Analysis performed</td><td style="text-align: right;">No</td></tr> </table> <p>2. Basis:</p> <table style="width: 100%; border: none;"> <tr><td>(A) Standard or Definitive Design</td><td style="text-align: right;">No</td></tr> <tr><td>(B) Where design was previously used</td><td></td></tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table style="width: 100%; border: none;"> <tr><td>(A) Production of plans and specifications</td><td style="text-align: right;">\$6,330</td></tr> <tr><td>(B) All other design costs</td><td style="text-align: right;">\$3,170</td></tr> <tr><td>(C) Total</td><td style="text-align: right;">\$9,500</td></tr> <tr><td>(D) Contract</td><td style="text-align: right;">\$7,650</td></tr> <tr><td>(E) In-house</td><td style="text-align: right;">\$1,850</td></tr> </table> <p>4. Contract award: 04/2019</p> <p>5. Construction start: 05/2019</p> <p>6. Construction complete: 06/2021</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Physical Security Equipment</td> <td>OPN</td> <td>2019</td> <td style="text-align: right;">116</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.</p> <p>Activity POC: Project Development Lead      Phone No: (202) 433-7140</p> |                                              |                           |                                                                  |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 03/2017 | (C) Date design completed | 10/2018 | (D) Percent completed as of September 2017 | 15% | (E) Percent completed as of January 2018 | 35% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | No | (A) Standard or Definitive Design | No | (B) Where design was previously used |  | (A) Production of plans and specifications | \$6,330 | (B) All other design costs | \$3,170 | (C) Total | \$9,500 | (D) Contract | \$7,650 | (E) In-house | \$1,850 | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> | <u>Cost (\$000)</u> | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> |  | Physical Security Equipment | OPN | 2019 | 116 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 09/2016                                      |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 03/2017                                      |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10/2018                                      |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15%                                          |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 35%                                          |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Design Bid Build                             |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Yes                                          |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                           |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                           |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$6,330                                      |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$3,170                                      |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$9,500                                      |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$7,650                                      |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$1,850                                      |                           |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>Procuring</u>                             | <u>FY Approp</u>          | <u>Cost (\$000)</u>                                              |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>Approp</u>                                | <u>or Requested</u>       |                                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |
| Physical Security Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OPN                                          | 2019                      | 116                                                              |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |    |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |     |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|---------|-------------------------------------------------------|----------|------------------------------------|------------------------|-----|-----|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |         |                                                       |          |                                    | 2. Date<br>05 FEB 2018 |     |     |                  |
| 3. Installation and Location: N32443<br>NAVAL SUPPORT STATION NRFK NSY<br>PORTSMOUTH, VIRGINIA                                                                                                                                                                                                                                                                                                           |                                              |                      |         | 4. Command<br>Commander Navy<br>Installations Command |          | 5. Area Const<br>Cost Index<br>.95 |                        |     |     |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                         | PERMANENT                                    |                      |         | STUDENTS                                              |          |                                    | SUPPORT                |     |     | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                          | OFF                                          | ENL                  | CIV     | OFF                                                   | ENL      | CIV                                | OFF                    | ENL | CIV |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                          | 137                                          | 629                  | 12161   | 0                                                     | 0        | 0                                  | 0                      | 0   | 0   | 12927            |
|                                                                                                                                                                                                                                                                                                                                                                                                          | 142                                          | 679                  | 12161   | 0                                                     | 0        | 0                                  | 0                      | 0   | 0   | 12982            |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |         |                                                       |          |                                    |                        |     |     |                  |
| A. TOTAL ACREAGE ..(823 Acres)                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |         |                                                       |          |                                    |                        |     |     |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                     |                                              |                      |         |                                                       |          |                                    |                        |     |     | 5,013,696        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |         |                                                       |          |                                    |                        |     |     | 9,743            |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |         |                                                       |          |                                    |                        |     |     | 26,120           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                     |                                              |                      |         |                                                       |          |                                    |                        |     |     | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |         |                                                       |          |                                    |                        |     |     | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |         |                                                       |          |                                    |                        |     |     | 422,696          |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |         |                                                       |          |                                    |                        |     |     | <b>5,472,255</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |         |                                                       |          |                                    |                        |     |     |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                               |                                              | <u>Design Status</u> |         |                                                       |          | <u>Cost</u>                        |                        |     |     |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                              | <u>Project Title</u>                         | <u>Start</u>         |         | <u>Complete</u>                                       |          | <u>Scope</u>                       | <u>(\$000)</u>         |     |     |                  |
| 21357                                                                                                                                                                                                                                                                                                                                                                                                    | Ships Maintenance Facility                   | 09/2016              | 06/2018 |                                                       | 34466 m2 | 26,120                             |                        |     |     |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |         |                                                       |          | TOTAL                              | 26,120                 |     |     |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |         |                                                       |          |                                    |                        |     |     |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |         |                                                       |          |                                    |                        |     |     |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                       |                                              |                      |         |                                                       |          |                                    |                        |     |     |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                     |                                              |                      |         |                                                       |          |                                    |                        |     |     | 1,488,240        |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |         |                                                       |          |                                    |                        |     |     |                  |
| Provide logistic support for assigned ships and service craft. Perform authorized work in connection with construction, conversion, overhaul, repair, alteration, dry docking, and outfitting of ships and craft, as assigned. Perform manufacturing, research, development and test work, as assigned. Perform services and material to other activities and units, as directed by competent authority. |                                              |                      |         |                                                       |          |                                    |                        |     |     |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                               |                                              |                      |         |                                                       |          |                                    |                        |     |     |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |         |                                                       |          |                                    |                        |     |     | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |         |                                                       |          |                                    |                        |     |     | 0                |

|                                                                                                |                                                       |                                    |
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| 1. Component<br>NAVY                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018             |
| 3. Installation and Location: N32443<br>NAVAL SUPPORT STATION NRFK NSY<br>PORTSMOUTH, VIRGINIA | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>.95 |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32443<br>NAVAL SUPPORT STATION NRFK NSY<br>PORTSMOUTH, VIRGINIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>Ships Maintenance Facility |                        |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>21357                    | 7. Project Number<br>P256 | 8. Project Cost (\$000)<br>26,120              |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | UM                                           | Quantity                  | Unit Cost                                      | Cost(\$000)            |
| SHIPS MAINTENANCE FACILITY<br>(370,989SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | m2                                           | 34,466                    |                                                | 23,080                 |
| ELECTRIC/ELECTRONICS SHOP<br>CC21357 (370,989SF) (RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | m2                                           | 34,466                    | 543.52                                         | (18,730)               |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                | (3,020)                |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                | (150)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                                | (950)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                | (230)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                | 450                    |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                                | (30)                   |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                | (220)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                | (40)                   |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                | (160)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                | 23,530                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                | 1,180                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                | 24,710                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                | 1,410                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                | 26,120                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                | 26,120                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                | 26,120                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                | (1,384)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                |                        |
| <p>Converts the fifth and sixth floor in Building #510 to accommodate the relocation of the nuclear containment and life raft shops. The altered floor plan will include shop equipment areas, maintenance space, pallet racks, fire rated walls around storage areas, administrative office, break room, personnel support areas, bathrooms, and a conference room. Existing stairwells, from ground floor to sixth floor will be repaired to meet code requirements. All non-code compliant combustible construction throughout the building will be removed and the egress deficiency on the third floor will be corrected. Code compliant fire alarm/mass notification, standpipe and sprinkler systems will be installed throughout the facility. Progressive collapse retrofits are included.</p> |                                              |                           |                                                |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N32443<br>NAVAL SUPPORT STATION NRFK NSY<br>PORTSMOUTH, VIRGINIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           | 4. Project Title<br>Ships Maintenance Facility |                        |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>21357                    | 7. Project Number<br>P256 | 8. Project Cost (\$000)<br>26,120              |                        |
| <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes fire booster pump, raised flooring, pallet racks and lockers.</p> <p>Special costs include Post Construction Contract Award Services (PCAS) and shipyard factors.</p> <p>Operation and maintenance support information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with the federal laws and Executive Orders. Low Impact Development will be included in the design and construction as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> <p>The Ships Maintenance Facility is located within the 100-year flood plain. The facility is required to be co-located with the existing piers and drydocks to permit secure, close proximity to the ships and equipment undergoing maintenance. Mitigation includes elevating new equipment, inside or outside of the building, to at least two feet above the 100-year flood level.</p> |                                              |                           |                                                |                        |
| <b>11. Requirement:</b> <u>34,466 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Corrects the major life safety violations throughout the building and renovates floor space to support the relocation of the nuclear containment and life raft shops into the fifth and sixth floor of Building #510.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>The Nuclear Containment and Life Raft shops require adequate and efficiently configured facilities to produce quality products.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                |                        |                                                     |         |                                                          |         |                           |         |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |
| 3. Installation(SA)& Location/UIC: N32443<br>NAVAL SUPPORT STATION NRFK NSY<br>PORTSMOUTH, VIRGINIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>Ships Maintenance Facility |                        |                                                     |         |                                                          |         |                           |         |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>21357                    | 7. Project Number<br>P256 | 8. Project Cost (\$000)<br>26,120              |                        |                                                     |         |                                                          |         |                           |         |
| <p><b>CURRENT SITUATION:</b></p> <p>Building #510 was constructed in 1957. The building has been cited for a number of life safety violations. These violations include having no sprinkler protection, inadequate fire alarm placement, lack of a mass notification system and inadequate egress. Most of the occupants on fifth and sixth floors have been relocated into trailers. Current mitigation includes roving fire watches on each floor, 24 hours per day, seven days a week, by existing shop personnel, thus reducing available manpower for ship maintenance and repair activities.</p> <p>The most efficient use of the vacant space in building #510 would be the relocation of the nuclear containment and life raft shops from an existing facility. This existing facility has severe life safety and environmental concerns that would require significantly more funding to repair than Building #510.</p> <p>The shipyard has the only life raft inspection, repairs and certification facility for the east coast, servicing life rafts from Navy and Coast Guard ships. This represents an annual work load of 750 raft inspections, repairs and certifications per year, with 50-100 rafts in active maintenance at any time.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>The nuclear containment and life raft shops will stay in their existing facility, resulting in increased risk to critical ship maintenance activities. Approximately 330 personnel, working more than 256,000 man-hours annually, will remain in a high risk environment, with continuing significant rework, higher stress, and additional operating costs due to inadequate working environment. Shop operations will continue to require the rental of a portable sixty ton HVAC system to provide the minimum required climate control for the shops required to operate under specified temperature and/or humidity levels. Even with the temporary climate control, this facility still routinely operates at high summertime temperatures and/or high humidity. The result is negative impacts on availability schedules due to rework, and time delays caused by equipment overheating and failed seams on the contaminated materials containment bags and enclosures.</p> |                                              |                           |                                                |                        |                                                     |         |                                                          |         |                           |         |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table border="0"> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2016</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>02/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>11/2018</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 02/2017 | (C) Date design completed | 11/2018 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 09/2016                                      |                           |                                                |                        |                                                     |         |                                                          |         |                           |         |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 02/2017                                      |                           |                                                |                        |                                                     |         |                                                          |         |                           |         |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 11/2018                                      |                           |                                                |                        |                                                     |         |                                                          |         |                           |         |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |
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| 3. Installation(SA)& Location/UIC: N32443<br>NAVAL SUPPORT STATION NRFK NSY<br>PORTSMOUTH, VIRGINIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>Ships Maintenance Facility |                        |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |
| 5. Program Element<br>0703676N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6. Category Code<br>21357                    | 7. Project Number<br>P256 | 8. Project Cost (\$000)<br>26,120              |                        |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |
| (D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 35%<br>(F) Type of design contract Design Bid Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed Yes<br>2. Basis:<br>(A) Standard or Definitive Design<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$1,567<br>(B) All other design costs \$784<br>(C) Total \$2,351<br>(D) Contract \$1,894<br>(E) In-house \$457<br>4. Contract award: 06/2019<br>5. Construction start: 07/2019<br>6. Construction complete: 05/2021<br>B. Equipment associated with this project which will be provided from other appropriations:<br><table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Procuring</u></th> <th style="text-align: center;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: center;"><u>Approp</u></th> <th style="text-align: center;"><u>or Requested</u></th> <th style="text-align: center;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Electronic Security Systems</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">57</td> </tr> <tr> <td>Furniture, Fixtures, and Equipment</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">747</td> </tr> <tr> <td>Major/Shop Equipment</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">549</td> </tr> <tr> <td>Smart Grid Equipment</td> <td style="text-align: center;">OMN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">30</td> </tr> </tbody> </table> |                                              |                           |                                                |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Electronic Security Systems | OMN | 2021 | 57 | Furniture, Fixtures, and Equipment | OMN | 2021 | 747 | Major/Shop Equipment | OMN | 2021 | 549 | Smart Grid Equipment | OMN | 2021 | 30 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u>Procuring</u>                             | <u>FY Approp</u>          |                                                |                        |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                            |                        |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |
| Electronic Security Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OMN                                          | 2021                      | 57                                             |                        |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |
| Furniture, Fixtures, and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OMN                                          | 2021                      | 747                                            |                        |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |
| Major/Shop Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OMN                                          | 2021                      | 549                                            |                        |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |
| Smart Grid Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OMN                                          | 2021                      | 30                                             |                        |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                |                        |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |
| Activity POC: Project Development Lead      Phone No: (757) 396-8077                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                |                        |                  |                  |                  |  |                     |               |                     |                     |                             |     |      |    |                                    |     |      |     |                      |     |      |     |                      |     |      |    |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |      |                 |                                                 |              |                |                                     |       |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|------|-----------------|-------------------------------------------------|--------------|----------------|-------------------------------------|-------|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |      |                 |                                                 |              |                | 2. Date<br>05 FEB 2018              |       |                  |
| 3. Installation and Location: M00264<br>MARINE CORPS BASE QUANTICO<br>QUANTICO, VIRGINIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |      |                 | 4. Command<br>Commandant of the<br>Marine Corps |              |                | 5. Area Const<br>Cost Index<br>1.07 |       |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PERMANENT                                    |                      |      | STUDENTS        |                                                 |              | SUPPORT        |                                     |       | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OFF                                          | ENL                  | CIV  | OFF             | ENL                                             | CIV          | OFF            | ENL                                 | CIV   |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2080                                         | 5094                 | 6341 | 3186            | 9218                                            | 2            | 0              | 0                                   | 24067 | 49988            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2086                                         | 5200                 | 6327 | 3186            | 9221                                            | 0            | 0              | 0                                   | 24067 | 50087            |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |      |                 |                                                 |              |                |                                     |       |                  |
| A. TOTAL ACREAGE ..(60320 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |      |                 |                                                 |              |                |                                     |       |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |      |                 |                                                 |              |                |                                     |       | 4,870,175        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |      |                 |                                                 |              |                |                                     |       | 140,171          |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |      |                 |                                                 |              |                |                                     |       | 21,980           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |      |                 |                                                 |              |                |                                     |       | 74,040           |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |      |                 |                                                 |              |                |                                     |       | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |      |                 |                                                 |              |                |                                     |       | 598,312          |
| <b>H. GRAND TOTAL .....</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |      |                 |                                                 |              |                |                                     |       | <b>5,704,678</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                      |      |                 |                                                 |              |                |                                     |       |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              | <u>Design Status</u> |      |                 |                                                 | <u>Cost</u>  |                |                                     |       |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>Project Title</u>                         | <u>Start</u>         |      | <u>Complete</u> |                                                 | <u>Scope</u> | <u>(\$000)</u> |                                     |       |                  |
| 73010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TBS Fire Station                             | 06/2014              |      | 03/2019         |                                                 | 2302 m2      | 21,980         |                                     |       |                  |
| TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                      |      |                 |                                                 |              |                | 21,980                              |       |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |      |                 |                                                 |              |                |                                     |       |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                      |      |                 |                                                 |              |                |                                     |       |                  |
| 17135 Wargaming Center                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |      |                 |                                                 |              |                |                                     |       | 61,240           |
| 42122 Ammunition Supply Point Upgrade, Phase 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |      |                 |                                                 |              |                |                                     |       | 12,800           |
| TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                      |      |                 |                                                 |              |                |                                     |       | 74,040           |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |      |                 |                                                 |              |                |                                     |       |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |      |                 |                                                 |              |                |                                     |       | 457,449          |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |      |                 |                                                 |              |                |                                     |       |                  |
| MCB Quantico maintains and operates facilities and provides services and material to support the Marine Corps Combat Development Command, the Marine Corps Air Facility Quantico, and other activities and units designated by the Commandant of the Marine Corps. The mission of the Marine Corps Combat Development Command is to develop Marine Corps warfighting concepts and to determine associated required capabilities in the areas of doctrine, organization, training and education, equipment, and support facilities to enable the Marine Corps to field combat-ready forces. MCB Quantico also serves as the focal point for professional military education. |                                              |                      |      |                 |                                                 |              |                |                                     |       |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                      |      |                 |                                                 |              |                |                                     |       |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                      |      |                 |                                                 |              |                |                                     |       | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                      |      |                 |                                                 |              |                |                                     |       | 0                |

|                                                                                          |                                                 |                                     |
|------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>    | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: M00264<br>MARINE CORPS BASE QUANTICO<br>QUANTICO, VIRGINIA | 4. Command<br>Commandant of the<br>Marine Corps | 5. Area Const<br>Cost Index<br>1.07 |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00264(AE)<br>MARINE CORPS BASE QUANTICO<br>(GUADALCANAL AREA)<br>QUANTICO, VIRGINIA                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>TBS Fire Station |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>73010                    | 7. Project Number<br>P542 | 8. Project Cost (\$000)<br>21,980    |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                      |                        |
| Item                                                                                                                                                                                                                                                                                                                                            | UM                                           | Quantity                  | Unit Cost                            | Cost(\$000)            |
| TBS FIRE STATION (24,779SF)                                                                                                                                                                                                                                                                                                                     | m2                                           | 2,302                     |                                      | 10,800                 |
| FIRE STATION CC73010<br>(24,477SF)                                                                                                                                                                                                                                                                                                              | m2                                           | 2,274                     | 3,679.11                             | (8,370)                |
| FIRE PUMP BUILDING CC84350<br>(301SF)                                                                                                                                                                                                                                                                                                           | m2                                           | 28                        | 13,389.59                            | (370)                  |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                      | (970)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                      | (290)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                      | (210)                  |
| SUSTAINABILITY AND ENERGY<br>FEATURES                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                      | (590)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                      | 8,320                  |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                      | (530)                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                      | (160)                  |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                      | (170)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                      | (4,900)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                      | (1,260)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                      | (570)                  |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                      | (580)                  |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                      | (150)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                      | 19,120                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                      | 960                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                      | 20,080                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                      | 1,140                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                      | 21,220                 |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                      | 760                    |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                      | 21,980                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                      | 21,980                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                |                                              |                           |                                      | (1,541)                |
| <b>10. Description of Proposed Construction:</b><br>Constructs a low-rise fire station. The construction will include reinforced concrete spread footings and reinforced concrete slab on grade foundation, structural steel frame, cast stone and brick veneer, and standing seam metal roof over structural steel framing. This facility will |                                              |                           |                                      |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                      |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00264(AE)<br>MARINE CORPS BASE QUANTICO<br>(GUADALCANAL AREA)<br>QUANTICO, VIRGINIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>TBS Fire Station |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6. Category Code<br>73010                    | 7. Project Number<br>P542 | 8. Project Cost (\$000)<br>21,980    |                        |
| <p>include: dispatch; training spaces; living quarters; kitchen/dining/day room spaces; administration offices; recreation, fitness, locker and shower rooms; personal protective equipment storage; laundry; self-contained breathing apparatus (SCBA) maintenance area; hazmat storage; compressed air maintenance and storage; hose storage; storage for emergency medical technician equipment; equipment maintenance and storage; and vehicle bays.</p> <p>Constructs a fire pump building due to the low water pressure at the site.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment will include a commercial kitchen hood, stove/oven, dishwashers, refrigerator/freezers, ice maker, equipment racks, raised flooring, emergency generator, fire pump, vehicle bay radiant heating, grease trap, overhead hose reels, air compressor, large bi-fold bay doors, gear washer/dryer/extractor, cascade system for SCBA room testing, ceiling fans, built-in work benches, lockers, and vehicle exhaust system.</p> <p>Special costs include Post Construction Contract Award Services (PCAS) and geospatial survey and mapping.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Paving and site improvements includes access road, parking for approximately 30 vehicles, sidewalks, pads for equipment, retention basin and landscaping. Also included are improvements to the intersection of Marine Corps Base Road 1 (MCB-1) and MCB-2, road widening, turn lanes, traffic signal lights and control arms, signage, traffic controls and the relocation of existing underground utilities.</p> <p>Electrical utilities include primary and secondary power distribution systems, transformers, fire alarm, lightning protection, exterior lighting, telecommunications, radio tower with concrete base, fiber optics and</p> |                                              |                           |                                      |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                      |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: M00264(AE)<br>MARINE CORPS BASE QUANTICO<br>(GUADALCANAL AREA)<br>QUANTICO, VIRGINIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           | 4. Project Title<br>TBS Fire Station |                        |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>73010                    | 7. Project Number<br>P542 | 8. Project Cost (\$000)<br>21,980    |                        |
| <p>security systems.</p> <p>This project will demolish existing fire station, Building #27400 (463 m2).</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                      |                        |
| <b>11. Requirement:</b> <u>2,302 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs a fire station to meet increased fire and emergency medical services (EMS) requirements due to development west of Interstate 95 on the base and includes traffic improvements at the intersection of MCB-1 and MCB-2, to comply with the maximum response time of seven minutes.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>An adequately sized fire station is required to support the number of personnel and apparatus for fire/EMS support to meet the required response time on the West side of MCB Quantico.<br><b>CURRENT SITUATION:</b><br>The existing fire station is in poor condition and inadequately sized to support the number of personnel and apparatus required to provide fire/EMS support. The existing berthing area cannot support the required shift size. The HVAC system does not function properly and building water leaks have created mold issues. Only one section of the building has a fire alarm system and the entire building lacks a fire sprinkler system.<br><br>During peak traffic times, the fire/EMS crews cannot meet the required response time when travel is through the intersection at MCB-1 and MCB-2. This is primarily due to increased traffic caused by growth on the west side of Quantico.<br><br>This project is not sited in a 100-year flood plain.<br><b>IMPACT IF NOT PROVIDED:</b><br>If these facilities are not replaced and properly sited, the fire/safety mission will be subject to failure that could lead to the loss of facilities and/or life. |                                              |                           |                                      |                        |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                      |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                      | 2. Date<br>05 FEB 2018 |                  |                  |                  |                     |                     |               |                     |  |                              |     |      |     |                                   |       |      |       |                                   |       |      |    |                          |       |      |    |
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| 3. Installation(SA)& Location/UIC: M00264(AE)<br>MARINE CORPS BASE QUANTICO<br>(GUADALCANAL AREA)<br>QUANTICO, VIRGINIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>TBS Fire Station |                        |                  |                  |                  |                     |                     |               |                     |  |                              |     |      |     |                                   |       |      |       |                                   |       |      |    |                          |       |      |    |
| 5. Program Element<br>0202176M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>73010                    | 7. Project Number<br>P542 | 8. Project Cost (\$000)<br>21,980    |                        |                  |                  |                  |                     |                     |               |                     |  |                              |     |      |     |                                   |       |      |       |                                   |       |      |    |                          |       |      |    |
| <p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started 06/2014</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete 03/2016</p> <p>(C) Date design completed 03/2019</p> <p>(D) Percent completed as of September 2017 35%</p> <p>(E) Percent completed as of January 2018 35%</p> <p>(F) Type of design contract Design Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy Study/Life Cycle Analysis performed No</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design No</p> <p>(B) Where design was previously used NA</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications \$440</p> <p>(B) All other design costs \$659</p> <p>(C) Total \$1,099</p> <p>(D) Contract \$714</p> <p>(E) In-house \$385</p> <p>4. Contract award: 12/2018</p> <p>5. Construction start: 04/2019</p> <p>6. Construction complete: 10/2020</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Communication/Data Equipment</td> <td>PMC</td> <td>2020</td> <td>280</td> </tr> <tr> <td>Furniture, Fixtures and Equipment</td> <td>O&amp;MMC</td> <td>2020</td> <td>1,181</td> </tr> <tr> <td>Surveillance Monitoring Equipment</td> <td>O&amp;MMC</td> <td>2020</td> <td>20</td> </tr> <tr> <td>Training Rm AV Equipment</td> <td>O&amp;MMC</td> <td>2020</td> <td>60</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.</p> <p>Activity POC: Project Development Lead      Phone No: 703-784-5490</p> |                                              |                           |                                      |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> | <u>Cost (\$000)</u> | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> |  | Communication/Data Equipment | PMC | 2020 | 280 | Furniture, Fixtures and Equipment | O&MMC | 2020 | 1,181 | Surveillance Monitoring Equipment | O&MMC | 2020 | 20 | Training Rm AV Equipment | O&MMC | 2020 | 60 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u>Procuring</u>                             | <u>FY Approp</u>          | <u>Cost (\$000)</u>                  |                        |                  |                  |                  |                     |                     |               |                     |  |                              |     |      |     |                                   |       |      |       |                                   |       |      |    |                          |       |      |    |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <u>Approp</u>                                | <u>or Requested</u>       |                                      |                        |                  |                  |                  |                     |                     |               |                     |  |                              |     |      |     |                                   |       |      |       |                                   |       |      |    |                          |       |      |    |
| Communication/Data Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PMC                                          | 2020                      | 280                                  |                        |                  |                  |                  |                     |                     |               |                     |  |                              |     |      |     |                                   |       |      |       |                                   |       |      |    |                          |       |      |    |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | O&MMC                                        | 2020                      | 1,181                                |                        |                  |                  |                  |                     |                     |               |                     |  |                              |     |      |     |                                   |       |      |       |                                   |       |      |    |                          |       |      |    |
| Surveillance Monitoring Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | O&MMC                                        | 2020                      | 20                                   |                        |                  |                  |                  |                     |                     |               |                     |  |                              |     |      |     |                                   |       |      |       |                                   |       |      |    |                          |       |      |    |
| Training Rm AV Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | O&MMC                                        | 2020                      | 60                                   |                        |                  |                  |                  |                     |                     |               |                     |  |                              |     |      |     |                                   |       |      |       |                                   |       |      |    |                          |       |      |    |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |      |      |              |                                                       |                      |         |                                     |                |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------|------|--------------|-------------------------------------------------------|----------------------|---------|-------------------------------------|----------------|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |      |      |              |                                                       |                      |         | 2. Date<br>05 FEB 2018              |                |                  |
| 3. Installation and Location: N68436<br>NAVAL BASE KITSAP BREMERTON WA<br>BANGOR, WASHINGTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |      |      |              | 4. Command<br>Commander Navy<br>Installations Command |                      |         | 5. Area Const<br>Cost Index<br>1.12 |                |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PERMANENT                                    |      |      | STUDENTS     |                                                       |                      | SUPPORT |                                     |                | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OFF                                          | ENL  | CIV  | OFF          | ENL                                                   | CIV                  | OFF     | ENL                                 | CIV            |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 620                                          | 6212 | 2416 | 0            | 94                                                    | 0                    | 33      | 34                                  | 0              | 9409             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 602                                          | 5952 | 2416 | 0            | 94                                                    | 0                    | 33      | 34                                  | 0              | 9131             |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |      |      |              |                                                       |                      |         |                                     |                |                  |
| A. TOTAL ACREAGE ..(13649 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |      |      |              |                                                       |                      |         |                                     |                |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |      |      |              |                                                       |                      |         |                                     |                | 4,267,844        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |      |      |              |                                                       |                      |         |                                     |                | 486,992          |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |      |      |              |                                                       |                      |         |                                     |                | 88,960           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |      |      |              |                                                       |                      |         |                                     |                | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |      |      |              |                                                       |                      |         |                                     |                | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |      |      |              |                                                       |                      |         |                                     |                | 932,198          |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |      |      |              |                                                       |                      |         |                                     |                | <b>5,775,994</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |      |      |              |                                                       |                      |         |                                     |                |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |      |      |              |                                                       | <u>Design Status</u> |         | <u>Cost</u>                         |                |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>Project Title</u>                         |      |      | <u>Start</u> | <u>Complete</u>                                       |                      |         | <u>Scope</u>                        | <u>(\$000)</u> |                  |
| 15120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pier and Maintenance Facility                |      |      | 10/2016      | 10/2018                                               |                      |         | 0 LS                                | 88,960         |                  |
| TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |      |      |              |                                                       |                      |         |                                     | 88,960         |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |      |      |              |                                                       |                      |         |                                     |                |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |      |      |              |                                                       |                      |         |                                     |                |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |      |      |              |                                                       |                      |         |                                     |                |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |      |      |              |                                                       |                      |         |                                     |                | 2,440,340        |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |      |      |              |                                                       |                      |         |                                     |                |                  |
| Supports the Trident Submarine Launched Ballistic Missile System by maintaining and operating facilities for administration and personnel support for operations of the submarine force. Homeport for guided missile submarines (SSGN) and ballistic missile submarines (SSBN). Provides logistics support to other activities in the area and acts as host for the following: Trident Submarine Group, Puget Sound Navy Shipyard and Intermediate Maintenance Facility, Trident Training Facility, Strategic Weapons Facility, Pacific, Marine Corps Security Force. |                                              |      |      |              |                                                       |                      |         |                                     |                |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |      |      |              |                                                       |                      |         |                                     |                |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |      |      |              |                                                       |                      |         |                                     |                | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |      |      |              |                                                       |                      |         |                                     |                | 0                |

|                                                                                              |                                                       |                                     |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N68436<br>NAVAL BASE KITSAP BREMERTON WA<br>BANGOR, WASHINGTON | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.12 |

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|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68436(BA)<br>NAVAL BASE KITSAP BREMERTON WA<br>(BANGOR WA)<br>BANGOR, WASHINGTON |                                              |                           | 4. Project Title<br>Pier and Maintenance Facility |                        |
| 5. Program Element<br>0212176N                                                                                       | 6. Category Code<br>15120                    | 7. Project Number<br>P907 | 8. Project Cost (\$000)<br>88,960                 |                        |
| <b>9. COST ESTIMATES</b>                                                                                             |                                              |                           |                                                   |                        |
| Item                                                                                                                 | UM                                           | Quantity                  | Unit Cost                                         | Cost(\$000)            |
| PIER AND MAINTENANCE FACILITY                                                                                        | LS                                           |                           |                                                   | 57,150                 |
| TPS PIER CC15120 (28,265SF)                                                                                          | m2                                           | 2,625.91                  | 10,160.2                                          | (26,680)               |
| ACCESS TRESTLE TO PIER CC15190<br>(16,640SF)                                                                         | m2                                           | 1,545.91                  | 11,505.53                                         | (17,790)               |
| BOAT SHOP CC21358 (18,290SF)                                                                                         | m2                                           | 1,699.2                   | 4,469.22                                          | (7,590)                |
| SMALL CRAFT FUELING STATION<br>CC12220                                                                               | OL                                           | 4                         | 148,377.56                                        | (590)                  |
| SMALL CRAFT READY FUEL STORAGE<br>CC12230 (40,000GA)                                                                 | L                                            | 151,416.47                | 8.45                                              | (1,280)                |
| BUILT-IN EQUIPMENT                                                                                                   | LS                                           |                           |                                                   | (220)                  |
| SPECIAL COSTS                                                                                                        | LS                                           |                           |                                                   | (2,510)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                          | LS                                           |                           |                                                   | (440)                  |
| SUSTAINABILITY AND ENERGY<br>FEATURES                                                                                | LS                                           |                           |                                                   | (50)                   |
| SUPPORTING FACILITIES                                                                                                |                                              |                           |                                                   | 23,000                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                        | LS                                           |                           |                                                   | (2,320)                |
| SITE PREPARATIONS                                                                                                    | LS                                           |                           |                                                   | (1,220)                |
| SPECIAL FOUNDATION FEATURES                                                                                          | LS                                           |                           |                                                   | (490)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                         | LS                                           |                           |                                                   | (770)                  |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                   | LS                                           |                           |                                                   | (50)                   |
| ELECTRICAL UTILITIES                                                                                                 | LS                                           |                           |                                                   | (450)                  |
| MECHANICAL UTILITIES                                                                                                 | LS                                           |                           |                                                   | (1,320)                |
| ENVIRONMENTAL MITIGATION                                                                                             | LS                                           |                           |                                                   | (16,380)               |
| SUBTOTAL                                                                                                             |                                              |                           |                                                   | 80,150                 |
| CONTINGENCY (5%)                                                                                                     |                                              |                           |                                                   | 4,010                  |
| TOTAL CONTRACT COST                                                                                                  |                                              |                           |                                                   | 84,160                 |
| SIOH (5.7%)                                                                                                          |                                              |                           |                                                   | 4,800                  |
| SUBTOTAL                                                                                                             |                                              |                           |                                                   | 88,960                 |
| TOTAL REQUEST ROUNDED                                                                                                |                                              |                           |                                                   | 88,960                 |
| TOTAL REQUEST                                                                                                        |                                              |                           |                                                   | 88,960                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                     |                                              |                           |                                                   | (2,107)                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                   |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68436(BA)<br>NAVAL BASE KITSAP BREMERTON WA<br>(BANGOR WA)<br>BANGOR, WASHINGTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           | 4. Project Title<br>Pier and Maintenance Facility |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6. Category Code<br>15120                    | 7. Project Number<br>P907 | 8. Project Cost (\$000)<br>88,960                 |                        |
| <b>10. Description of Proposed Construction:</b><br><p>Constructs a pile-supported reinforced concrete berthing pier for two 250-foot Blocking Vessels (BVs) with integrated wave screens to protect adjacent shoreline from short period waves, underside pier utilities from floating debris, and to provide shelter for Transit Protection System (TPS) small craft during severe weather conditions.</p> <p>Constructs a pile-supported reinforced concrete access trestle to the pier.</p> <p>Constructs a steel framed, metal insulated paneled wall and roof pre-engineered building boat shop with high bay, mezzanine, pedestal jib cranes and reinforced concrete foundation, slab on grade capable of supporting approximately 30 small craft. The facility will include personnel support spaces with associated information systems. Project includes facility elements to support relocation and installation of existing equipment.</p> <p>Constructs a small craft fueling station to dispense diesel fuel marine with four outlets, dispensing pedestal-type commercial pumps, piping to fuel storage tank, hoses, floodlights and grounding devices, electrical power, and fire protection.</p> <p>Constructs a small craft ready fuel storage tank and necessary infrastructure required to support functions and operations at each facility.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS). In addition, this item includes the costs for environmental mitigation PCAS and building control systems. Costs include Washington State gross sales receipt tax.</p> <p>Operations and maintenance support information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> |                                              |                           |                                                   |                        |



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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68436(BA)<br>NAVAL BASE KITSAP BREMERTON WA<br>(BANGOR WA)<br>BANGOR, WASHINGTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                           | 4. Project Title<br>Pier and Maintenance Facility |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Category Code<br>15120             | 7. Project Number<br>P907 | 8. Project Cost (\$000)<br>88,960                 |                        |
| <p>Mission requirements have outpaced the ability to provide adequate facilities to support the TPS mission at Bangor. As a result, extensive berth shifts and unnecessary days spent away from homeport occur when no pier space is available. Bangor berthing is required approximately 253 days per year.</p> <p>The BVs moor at the Marginal North Pier in the waterfront restricted area, if space is available, under naval ordnance safety and security activity waiver conditions. The explosives safety quantity-distance arc from explosives handling wharf and the increase in operational tempo multiplies the frequency of encumbrance at this berth.</p> <p>Small craft maintenance function is currently being executed in three facilities and seven temporary storage structures near the head of service pier.</p> <p>Diesel fuel is provided using a converted Ship Waste Oily Barge (SWOB). The authorization to continue to operate the SWOB in this capacity is under an interim authority to operate (IATO) for one year. The IATO is renewable annually and contingent on implementation of good custodianship measures and approximately \$800K is spent on eight to fourteen week dry-docking overhaul and tank preservation inspection, survey, and repair operations.</p> <p>The SWOB is currently being moored inboard on the interim floats added to K/B Dock adjacent to the TPS vessel berths to ensure crew endurance limits can be maintained. It occupies moorings originally intended for two vessels. Resupply operations require it to be towed from its moored location to Defense Logistics Agency Manchester and back, a 12 hour evolution. The feasibility of continued use of the SWOB as a fuel container due to environmental concerns is evaluated annually.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Full operational capability of the TPS mission cannot be executed. NWS posture will continue to fall short of DoD directives and requirements. The 250-foot BVs will remain in a nomadic state with continued berth shifts and days spent away from homeport, due to lack of adequate, dedicated pier space.</p> <p>Maintenance will continue to be performed in multiple facilities that are approximately 47 percent of the required space. Inadequately sized facilities will continue to negatively impact maintenance schedules, which</p> |                                       |                           |                                                   |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                                                   | 2. Date<br>05 FEB 2018            |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
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| 3. Installation(SA)& Location/UIC: N68436(BA)<br>NAVAL BASE KITSAP BREMERTON WA<br>(BANGOR WA)<br>BANGOR, WASHINGTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              | 4. Project Title<br>Pier and Maintenance Facility |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>15120                    | 7. Project Number<br>P907                         | 8. Project Cost (\$000)<br>88,960 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| <p>jeopardizes the readiness conditions of escort vessels, create operational inefficiencies, and compound shortfalls.</p> <p>MFPU will continue fueling operations using a converted fuel system that was designed for temporary use.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table style="width: 100%;"> <tr><td>(A) Date design or Parametric Cost Estimate started</td><td style="text-align: right;">10/2016</td></tr> <tr><td>(B) Date 35% Design or Parametric Cost Estimate complete</td><td style="text-align: right;">07/2017</td></tr> <tr><td>(C) Date design completed</td><td style="text-align: right;">10/2018</td></tr> <tr><td>(D) Percent completed as of September 2017</td><td style="text-align: right;">15%</td></tr> <tr><td>(E) Percent completed as of January 2018</td><td style="text-align: right;">35%</td></tr> <tr><td>(F) Type of design contract</td><td style="text-align: right;">Design Bid Build</td></tr> <tr><td>(G) Parametric Estimate used to develop cost</td><td style="text-align: right;">Yes</td></tr> <tr><td>(H) Energy Study/Life Cycle Analysis performed</td><td style="text-align: right;">Yes</td></tr> </table> <p>2. Basis:</p> <table style="width: 100%;"> <tr><td>(A) Standard or Definitive Design</td><td style="text-align: right;">No</td></tr> <tr><td>(B) Where design was previously used</td><td style="text-align: right;">N/A</td></tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table style="width: 100%;"> <tr><td>(A) Production of plans and specifications</td><td style="text-align: right;">\$5,338</td></tr> <tr><td>(B) All other design costs</td><td style="text-align: right;">\$2,669</td></tr> <tr><td>(C) Total</td><td style="text-align: right;">\$8,007</td></tr> <tr><td>(D) Contract</td><td style="text-align: right;">\$6,450</td></tr> <tr><td>(E) In-house</td><td style="text-align: right;">\$1,557</td></tr> </table> <p>4. Contract award: 03/2019</p> <p>5. Construction start: 04/2019</p> <p>6. Construction complete: 02/2021</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Procuring</u></th> <th style="text-align: center;"><u>FY Approp</u></th> <th style="text-align: center;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: center;"><u>Approp</u></th> <th style="text-align: center;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr><td>Collateral Equipment</td><td style="text-align: center;">OMN</td><td style="text-align: center;">2020</td><td style="text-align: right;">74</td></tr> <tr><td>Com/Data</td><td style="text-align: center;">OMN</td><td style="text-align: center;">2020</td><td style="text-align: right;">200</td></tr> <tr><td>IDS</td><td style="text-align: center;">OMN</td><td style="text-align: center;">2020</td><td style="text-align: right;">50</td></tr> <tr><td>Pier Modular Firing Positions</td><td style="text-align: center;">OMN</td><td style="text-align: center;">2020</td><td style="text-align: right;">180</td></tr> <tr><td>Port Security Barrier NEW</td><td style="text-align: center;">OMN</td><td style="text-align: center;">2020</td><td style="text-align: right;">150</td></tr> <tr><td>Port Security Barrier Relocation</td><td style="text-align: center;">OMN</td><td style="text-align: center;">2020</td><td style="text-align: right;">953</td></tr> <tr><td>Smart Grid Equipment</td><td style="text-align: center;">OMN</td><td style="text-align: center;">2020</td><td style="text-align: right;">500</td></tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for</p> |                                              |                                                   |                                   | (A) Date design or Parametric Cost Estimate started | 10/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 07/2017 | (C) Date design completed | 10/2018 | (D) Percent completed as of September 2017 | 15% | (E) Percent completed as of January 2018 | 35% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | Yes | (A) Standard or Definitive Design | No | (B) Where design was previously used | N/A | (A) Production of plans and specifications | \$5,338 | (B) All other design costs | \$2,669 | (C) Total | \$8,007 | (D) Contract | \$6,450 | (E) In-house | \$1,557 | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> | <u>Cost (\$000)</u> | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> |  | Collateral Equipment | OMN | 2020 | 74 | Com/Data | OMN | 2020 | 200 | IDS | OMN | 2020 | 50 | Pier Modular Firing Positions | OMN | 2020 | 180 | Port Security Barrier NEW | OMN | 2020 | 150 | Port Security Barrier Relocation | OMN | 2020 | 953 | Smart Grid Equipment | OMN | 2020 | 500 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10/2016                                      |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 07/2017                                      |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10/2018                                      |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 15%                                          |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 35%                                          |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Design Bid Build                             |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Yes                                          |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes                                          |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No                                           |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N/A                                          |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$5,338                                      |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$2,669                                      |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$8,007                                      |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \$6,450                                      |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \$1,557                                      |                                                   |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u>Procuring</u>                             | <u>FY Approp</u>                                  | <u>Cost (\$000)</u>               |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <u>Approp</u>                                | <u>or Requested</u>                               |                                   |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| Collateral Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OMN                                          | 2020                                              | 74                                |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| Com/Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OMN                                          | 2020                                              | 200                               |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| IDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OMN                                          | 2020                                              | 50                                |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| Pier Modular Firing Positions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OMN                                          | 2020                                              | 180                               |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| Port Security Barrier NEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OMN                                          | 2020                                              | 150                               |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| Port Security Barrier Relocation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OMN                                          | 2020                                              | 953                               |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |
| Smart Grid Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OMN                                          | 2020                                              | 500                               |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |         |           |         |              |         |              |         |                  |                  |                  |                     |                     |               |                     |  |                      |     |      |    |          |     |      |     |     |     |      |    |                               |     |      |     |                           |     |      |     |                                  |     |      |     |                      |     |      |     |

|                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                   |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N68436(BA)<br>NAVAL BASE KITSAP BREMERTON WA<br>(BANGOR WA)<br>BANGOR, WASHINGTON                                                                                                                                                                                                               |                                              |                           | 4. Project Title<br>Pier and Maintenance Facility |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                     | 6. Category Code<br>15120                    | 7. Project Number<br>P907 | 8. Project Cost (\$000)<br>88,960                 |                        |
| <p>joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.</p> <p>Activity POC: Project Development Lead      Phone No: 360 396-0074</p> |                                              |                           |                                                   |                        |



|                                                                                                                                                                                                                               |                                              |      |     |              |                 |                      |                                                       |                        |                                     |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------|-----|--------------|-----------------|----------------------|-------------------------------------------------------|------------------------|-------------------------------------|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |      |     |              |                 |                      |                                                       | 2. Date<br>05 FEB 2018 |                                     |                  |
| 3. Installation and Location: N00620<br>NAS WHIDBEY ISLAND WA<br>WHIDBEY ISLAND, WASHINGTON                                                                                                                                   |                                              |      |     |              |                 |                      | 4. Command<br>Commander Navy<br>Installations Command |                        | 5. Area Const<br>Cost Index<br>1.17 |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                              | PERMANENT                                    |      |     | STUDENTS     |                 |                      | SUPPORT                                               |                        |                                     | TOTAL            |
|                                                                                                                                                                                                                               | OFF                                          | ENL  | CIV | OFF          | ENL             | CIV                  | OFF                                                   | ENL                    | CIV                                 |                  |
|                                                                                                                                                                                                                               | 1088                                         | 6567 | 327 | 0            | 0               | 0                    | 54                                                    | 102                    | 0                                   | 8138             |
|                                                                                                                                                                                                                               | 1364                                         | 7386 | 327 | 0            | 0               | 0                    | 108                                                   | 204                    | 0                                   | 9389             |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                              |                                              |      |     |              |                 |                      |                                                       |                        |                                     |                  |
| A. TOTAL ACREAGE ..(8827 Acres)                                                                                                                                                                                               |                                              |      |     |              |                 |                      |                                                       |                        |                                     |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                          |                                              |      |     |              |                 |                      |                                                       |                        |                                     | 2,248,870        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                   |                                              |      |     |              |                 |                      |                                                       |                        |                                     | 142,039          |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                              |                                              |      |     |              |                 |                      |                                                       |                        |                                     | 27,380           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                          |                                              |      |     |              |                 |                      |                                                       |                        |                                     | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                  |                                              |      |     |              |                 |                      |                                                       |                        |                                     | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                 |                                              |      |     |              |                 |                      |                                                       |                        |                                     | 343,982          |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                   |                                              |      |     |              |                 |                      |                                                       |                        |                                     | <b>2,762,271</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                         |                                              |      |     |              |                 |                      |                                                       |                        |                                     |                  |
| <u>Cat</u>                                                                                                                                                                                                                    |                                              |      |     |              |                 | <u>Design Status</u> |                                                       | <u>Cost</u>            |                                     |                  |
| <u>Code</u>                                                                                                                                                                                                                   | <u>Project Title</u>                         |      |     | <u>Start</u> | <u>Complete</u> | <u>Scope</u>         | <u>(\$000)</u>                                        |                        |                                     |                  |
| 14142                                                                                                                                                                                                                         | Fleet Support Facility                       |      |     | 10/2016      | 04/2018         | 2408 m2              | 19,450                                                |                        |                                     |                  |
| 14377                                                                                                                                                                                                                         | Next Generation Jammer<br>Facility           |      |     | 05/2017      | 09/2019         | 1350 m2              | 7,930                                                 |                        |                                     |                  |
|                                                                                                                                                                                                                               |                                              |      |     |              |                 | TOTAL                | 27,380                                                |                        |                                     |                  |
| 9. Future Projects:                                                                                                                                                                                                           |                                              |      |     |              |                 |                      |                                                       |                        |                                     |                  |
| A. Included In The Following Program:                                                                                                                                                                                         |                                              |      |     |              |                 |                      |                                                       |                        |                                     |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                            |                                              |      |     |              |                 |                      |                                                       |                        |                                     |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                          |                                              |      |     |              |                 |                      |                                                       |                        |                                     | 389,885          |
| 10. Mission or Major Functions:                                                                                                                                                                                               |                                              |      |     |              |                 |                      |                                                       |                        |                                     |                  |
| As the sole naval aviation support in the Pacific Northwest, provides the highest quality facilities, services and products to the naval aviation community and all organizations utilizing Naval Air Station Whidbey Island. |                                              |      |     |              |                 |                      |                                                       |                        |                                     |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                    |                                              |      |     |              |                 |                      |                                                       |                        |                                     |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                    |                                              |      |     |              |                 |                      |                                                       |                        |                                     | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                    |                                              |      |     |              |                 |                      |                                                       |                        |                                     | 0                |

|                                                                                             |                                                       |                                     |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N00620<br>NAS WHIDBEY ISLAND WA<br>WHIDBEY ISLAND, WASHINGTON | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.17 |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                            |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                            | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00620<br>NAS WHIDBEY ISLAND WA<br>WHIDBEY ISLAND, WASHINGTON                                                                                                                                                                                                                                                                                                                                        |                                              |                           | 4. Project Title<br>Fleet Support Facility |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>14142                    | 7. Project Number<br>P253 | 8. Project Cost (\$000)<br>19,450          |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                            |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                    | UM                                           | Quantity                  | Unit Cost                                  | Cost(\$000)            |
| FLEET SUPPORT FACILITY (25,922SF)                                                                                                                                                                                                                                                                                                                                                                                                       | m2                                           | 2,408.2                   |                                            | 11,120                 |
| FLEET SUPPORT FACILITY CC14142<br>(20,940SF)                                                                                                                                                                                                                                                                                                                                                                                            | m2                                           | 1,945.4                   | 3,653.25                                   | (7,110)                |
| P3 SUPPORT FACILITY CC21145<br>(4,982SF) (RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                     | m2                                           | 462.8                     | 178.07                                     | (80)                   |
| INFORMATION SYSTEMS                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                            | (280)                  |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                            | (310)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                            | (3,040)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                            | (160)                  |
| SUSTAINABILITY AND ENERGY<br>FEATURES                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                            | (140)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                            | 6,400                  |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                            | (20)                   |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                            | (2,060)                |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                            | (2,360)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                            | (1,540)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                            | (290)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                            | (130)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                            | 17,520                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                            | 880                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                            | 18,400                 |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                            | 1,050                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                            | 19,450                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                            | 19,450                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                            | 19,450                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                            | (872)                  |
| <b>10. Description of Proposed Construction:</b><br><br>Constructs a single-story addition to Building #2836. The addition is to be a climate controlled open-bay storage warehouse with sound attenuation to secret level, fire protection systems and lightning protection. The facility provides space for storage of equipment as well as material receiving, processing, staging and shipping areas associated with the operation. |                                              |                           |                                            |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                            |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                            | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00620<br>NAS WHIDBEY ISLAND WA<br>WHIDBEY ISLAND, WASHINGTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>Fleet Support Facility |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>14142                    | 7. Project Number<br>P253 | 8. Project Cost (\$000)<br>19,450          |                        |
| <p>Renovates the administration and operations spaces in Building #2836, which has a total floor area of 954 m2. Project also modifies those spaces which will be required to provide a connection to the new addition.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings. DoD Guidance Unit Costs were used for this project. As such, the costs for specific AT/FP features are included in the unit costs.</p> <p>Special costs include post construction contract award services (PCAS). In addition, this item includes the premium costs for secure space and flight line access, temporary flight line fence during construction, third party commissioning, building control systems and station contract support/outage coordination. Costs include Washington State gross sales receipt tax.</p> <p>Operations and maintenance support information (OMSI) is included in this project.</p> <p>DoD and Department of the Navy Guiding Principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes earthwork, grading, site clearing, contaminated soil removal, relocation of a used oil tank, relocation of deicing tank and rerouting of natural gas main.</p> <p>Special foundation features include a pile foundation and retaining wall due to sloping site.</p> <p>Paving and site improvements include parking facilities, roadways, curbs, sidewalks, landscaping, fencing, apron demolition and replacement for stormwater system and stormwater management facilities. Parking facilities for approximately 40 vehicles will be provided. This project includes flight line fencing.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy</p> |                                              |                           |                                            |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                           |                                            |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------|--------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                            | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00620<br>NAS WHIDBEY ISLAND WA<br>WHIDBEY ISLAND, WASHINGTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |                           | 4. Project Title<br>Fleet Support Facility |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>14142             | 7. Project Number<br>P253 | 8. Project Cost (\$000)<br>19,450          |                        |
| efficiency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       |                           |                                            |                        |
| <b>11. Requirement:</b> <u>2,408 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs a storage warehouse facility to support fleet aviation requirements.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b><br>Adequate facilities are required to store equipment along with material receiving, processing, staging and shipping in support of fleet operations. This facility, in addition to Building #2836, will be used to stage, maintain, repair, and modernize aviation equipment. This facility must be located in the vicinity of the hangars and be adjacent to the flight line.<br><b>CURRENT SITUATION:</b><br>Existing operations, maintenance and storage capacity at the installation cannot provide sufficient operational maintenance space for long-term operations of the assigned squadrons.<br><br>This project is not sited in a 100-year flood plain.<br><b>IMPACT IF NOT PROVIDED:</b><br>The patrol squadrons will not be able to meet fleet aviation requirements for units, set to arrive in early 2021. Inadequate operation, maintenance, and storage space would adversely impact aircrew missions. |                                       |                           |                                            |                        |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 10/2016<br>(B) Date 35% Design or Parametric Cost Estimate complete 02/2017<br>(C) Date design completed 04/2018<br>(D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 50%<br>(F) Type of design contract Design Bid Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed Yes<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used NA<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$1,170<br>(B) All other design costs \$580<br>(C) Total \$1,750                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                           |                                            |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                            | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------|------------------------|------------------|------------------|------------------|--|---------------------|---------------|---------------------|---------------------|-----------------------|-----|------|----|---------------------------------------|-----|------|-----|----------|--|--|--|----------|-----|------|----|-----------------------------------|-----|------|-----|---------------------------------|-----|------|-----|----------------------|-----|------|----|-------------|-----|------|-----|
| 3. Installation(SA)& Location/UIC: N00620<br>NAS WHIDBEY ISLAND WA<br>WHIDBEY ISLAND, WASHINGTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           | 4. Project Title<br>Fleet Support Facility |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6. Category Code<br>14142                    | 7. Project Number<br>P253 | 8. Project Cost (\$000)<br>19,450          |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| (D) Contract \$240<br>(E) In-house \$1,510<br>4. Contract award: 02/2019<br>5. Construction start: 03/2019<br>6. Construction complete: 11/2020<br>B. Equipment associated with this project which will be provided from other appropriations:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                            |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| <table border="0"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Computer / Data Drops</td> <td>OMN</td> <td>2020</td> <td>50</td> </tr> <tr> <td>Electronic Surveillance Systems (ESS)</td> <td>OMN</td> <td>2019</td> <td>100</td> </tr> <tr> <td>Baseline</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Forklift</td> <td>OMN</td> <td>2020</td> <td>40</td> </tr> <tr> <td>Furniture, Fixtures and Equipment</td> <td>OMN</td> <td>2019</td> <td>100</td> </tr> <tr> <td>Physical Security Equipment/ESS</td> <td>OPN</td> <td>2019</td> <td>302</td> </tr> <tr> <td>Smart Grid Equipment</td> <td>OMN</td> <td>2020</td> <td>30</td> </tr> <tr> <td>Spot Cooler</td> <td>OPN</td> <td>2020</td> <td>250</td> </tr> </tbody> </table> |                                              |                           |                                            |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Computer / Data Drops | OMN | 2020 | 50 | Electronic Surveillance Systems (ESS) | OMN | 2019 | 100 | Baseline |  |  |  | Forklift | OMN | 2020 | 40 | Furniture, Fixtures and Equipment | OMN | 2019 | 100 | Physical Security Equipment/ESS | OPN | 2019 | 302 | Smart Grid Equipment | OMN | 2020 | 30 | Spot Cooler | OPN | 2020 | 250 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>Procuring</u>                             | <u>FY Approp</u>          |                                            |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                        |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| Computer / Data Drops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OMN                                          | 2020                      | 50                                         |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| Electronic Surveillance Systems (ESS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OMN                                          | 2019                      | 100                                        |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                            |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| Forklift                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OMN                                          | 2020                      | 40                                         |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OMN                                          | 2019                      | 100                                        |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| Physical Security Equipment/ESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | OPN                                          | 2019                      | 302                                        |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| Smart Grid Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OMN                                          | 2020                      | 30                                         |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| Spot Cooler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OPN                                          | 2020                      | 250                                        |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                            |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |
| Activity POC: Project Development Lead      Phone No: 360-257-1005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                            |                        |                  |                  |                  |  |                     |               |                     |                     |                       |     |      |    |                                       |     |      |     |          |  |  |  |          |     |      |    |                                   |     |      |     |                                 |     |      |     |                      |     |      |    |             |     |      |     |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00620<br>NAS WHIDBEY ISLAND WA<br>WHIDBEY ISLAND, WASHINGTON                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>Next Generation Jammer Facility |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                    | 6. Category Code<br>14377                    | 7. Project Number<br>P258 | 8. Project Cost (\$000)<br>7,930                    |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                          |                                              |                           |                                                     |                        |
| Item                                                                                                                                                                                                                                                                                              | UM                                           | Quantity                  | Unit Cost                                           | Cost(\$000)            |
| NEXT GENERATION JAMMER FACILITY<br>(14,531SF)                                                                                                                                                                                                                                                     | m2                                           | 1,350                     |                                                     | 5,190                  |
| NGJ POD STORAGE FACILITY<br>CC14377 (14,531SF)                                                                                                                                                                                                                                                    | m2                                           | 1,350                     | 2,988.74                                            | (4,030)                |
| INFORMATION SYSTEMS                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                     | (70)                   |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                     | (270)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                     | (660)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                       | LS                                           |                           |                                                     | (70)                   |
| SUSTAINABILITY AND ENERGY<br>FEATURES                                                                                                                                                                                                                                                             | LS                                           |                           |                                                     | (90)                   |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                             |                                              |                           |                                                     | 1,700                  |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                     | (30)                   |
| PAVEMENT FACILITIES                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                     | (360)                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                                     | (410)                  |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                       | LS                                           |                           |                                                     | (200)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                     | (360)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                     | (210)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                     | (130)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                          |                                              |                           |                                                     | 6,890                  |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                  |                                              |                           |                                                     | 340                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                               |                                              |                           |                                                     | 7,230                  |
| SIOH (5.7%)                                                                                                                                                                                                                                                                                       |                                              |                           |                                                     | 410                    |
| SUBTOTAL                                                                                                                                                                                                                                                                                          |                                              |                           |                                                     | 7,640                  |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                        |                                              |                           |                                                     | 280                    |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                             |                                              |                           |                                                     | 7,920                  |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                     |                                              |                           |                                                     | 7,930                  |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                  |                                              |                           |                                                     | (605)                  |
| <b>10. Description of Proposed Construction:</b><br>Constructs a single-story, open-bay storage of Next Generation Jammer (NGJ) pods. The project will provide a steel-framed pod storage facility with concrete floor, insulated metal siding, metal roof and integrated overhead bridge cranes. |                                              |                           |                                                     |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                     |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00620<br>NAS WHIDBEY ISLAND WA<br>WHIDBEY ISLAND, WASHINGTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           | 4. Project Title<br>Next Generation Jammer Facility |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>14377                    | 7. Project Number<br>P258 | 8. Project Cost (\$000)<br>7,930                    |                        |
| <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings. DoD Guidance Unit Costs were used for this project. As such, the costs for specific AT/FP features are included in the unit costs.</p> <p>Special costs include Post Construction Award Services (PCAS). In addition, this item includes the costs for third party commissioning, station contract support/outage coordination, building control systems and flight line factors. Flight line factors include: costs for flight line access, security, traffic mitigation and temporary flight line fencing and gates. Costs include Washington State gross sales receipt tax.</p> <p>Project includes Operations and Maintenance Support Information (OMSI).</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                     |                        |
| <b>11. Requirement:</b> <u>1,350 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs a pod storage facility and a covered storage area for pod containers to support the NGJ pods and equipment.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b><br>Storage facilities are required to store next generation components under development. The next generation system is a highly complex electronic jamming system that will incorporate newly designed components that are not currently in the Navy inventory. These new technologies require facilities for storage.<br><b>CURRENT SITUATION:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                     |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       |                           |                                                     |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00620<br>NAS WHIDBEY ISLAND WA<br>WHIDBEY ISLAND, WASHINGTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                           | 4. Project Title<br>Next Generation Jammer Facility |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6. Category Code<br>14377             | 7. Project Number<br>P258 | 8. Project Cost (\$000)<br>7,930                    |                        |
| <p>The current facility that supports the existing tactical jamming system, which is being replaced by the NGJ, does not have the storage capacity required to support the NGJ capabilities.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>NAS Whidbey Island will not be able to support the new requirements of the NGJ unless new facilities are provided. NGJ pods and equipment are planned to start arriving at NAS Whidbey Island in 2020 and will require dedicated and secure storage facilities. Inadequate storage space would compromise pod security and maintenance operations that support the electronic attack community. The electronic attack mission would be constrained or impossible without facilities prior to the arrival of the NGJ equipment.</p> |                                       |                           |                                                     |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                           |                                                     |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                           |                                                     |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |                           |                                                     |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 05/2017                               |                           |                                                     |                        |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 07/2017                               |                           |                                                     |                        |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 07/2019                               |                           |                                                     |                        |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 15%                                   |                           |                                                     |                        |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 15%                                   |                           |                                                     |                        |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Design Build                          |                           |                                                     |                        |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes                                   |                           |                                                     |                        |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No                                    |                           |                                                     |                        |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                           |                                                     |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |                           |                                                     |                        |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                       |                           |                                                     |                        |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |                           |                                                     |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$160                                 |                           |                                                     |                        |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$240                                 |                           |                                                     |                        |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$400                                 |                           |                                                     |                        |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$260                                 |                           |                                                     |                        |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$140                                 |                           |                                                     |                        |
| 4. Contract award:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 04/2019                               |                           |                                                     |                        |
| 5. Construction start:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 08/2019                               |                           |                                                     |                        |
| 6. Construction complete:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 02/2021                               |                           |                                                     |                        |
| B. Equipment associated with this project which will be provided from other appropriations:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       |                           |                                                     |                        |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u>Procuring</u>                      | <u>FY Approp</u>          |                                                     |                        |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <u>Approp</u>                         | <u>or Requested</u>       | <u>Cost (\$000)</u>                                 |                        |
| Computer/Data Drops (Region N6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OMN                                   | 2020                      |                                                     | 10                     |

|                                                                                                                                                                                                                                                                                   |                                              |                           |                                                     |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00620<br>NAS WHIDBEY ISLAND WA<br>WHIDBEY ISLAND, WASHINGTON                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>Next Generation Jammer Facility |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                    | 6. Category Code<br>14377                    | 7. Project Number<br>P258 | 8. Project Cost (\$000)<br>7,930                    |                        |
| ESS (ATFP Ashore)                                                                                                                                                                                                                                                                 |                                              | OMN                       | 2020                                                | 50                     |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                 |                                              | OMN                       | 2020                                                | 15                     |
| Pod Storage Racks                                                                                                                                                                                                                                                                 |                                              | OPN                       | 2020                                                | 500                    |
| Smart Grid Equipment                                                                                                                                                                                                                                                              |                                              | OMN                       | 2020                                                | 30                     |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components. |                                              |                           |                                                     |                        |
| Activity POC: Project Development Lead      Phone No: 360-257-1005                                                                                                                                                                                                                |                                              |                           |                                                     |                        |

|                                                                                                                                                                                                                               |                                              |      |      |          |                                                       |                      |                 |                                     |                |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------|------|----------|-------------------------------------------------------|----------------------|-----------------|-------------------------------------|----------------|----------------|
| 1. Component<br>NAVY                                                                                                                                                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |      |      |          |                                                       |                      |                 | 2. Date<br>05 FEB 2018              |                |                |
| 3. Installation and Location: N00213<br>NAS KEY WEST FL<br>ANDROS ISLAND, BAHAMAS                                                                                                                                             |                                              |      |      |          | 4. Command<br>Commander Navy<br>Installations Command |                      |                 | 5. Area Const<br>Cost Index<br>1.54 |                |                |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                              | PERMANENT                                    |      |      | STUDENTS |                                                       |                      | SUPPORT         |                                     |                | TOTAL          |
|                                                                                                                                                                                                                               | OFF                                          | ENL  | CIV  | OFF      | ENL                                                   | CIV                  | OFF             | ENL                                 | CIV            |                |
|                                                                                                                                                                                                                               | 201                                          | 928  | 1102 | 0        | 0                                                     | 0                    | 80              | 371                                 | 0              | 2682           |
|                                                                                                                                                                                                                               | 206                                          | 1129 | 1102 | 0        | 0                                                     | 0                    | 80              | 371                                 | 0              | 2888           |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                              |                                              |      |      |          |                                                       |                      |                 |                                     |                |                |
| A. TOTAL ACREAGE ..(541 Acres)                                                                                                                                                                                                |                                              |      |      |          |                                                       |                      |                 |                                     |                |                |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                          |                                              |      |      |          |                                                       |                      |                 |                                     |                | 460,192        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                   |                                              |      |      |          |                                                       |                      |                 |                                     |                | 14,001         |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                              |                                              |      |      |          |                                                       |                      |                 |                                     |                | 31,050         |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                          |                                              |      |      |          |                                                       |                      |                 |                                     |                | 0              |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                  |                                              |      |      |          |                                                       |                      |                 |                                     |                | 0              |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                 |                                              |      |      |          |                                                       |                      |                 |                                     |                | 30,572         |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                   |                                              |      |      |          |                                                       |                      |                 |                                     |                | <b>535,815</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                         |                                              |      |      |          |                                                       |                      |                 |                                     |                |                |
| <u>Cat</u>                                                                                                                                                                                                                    |                                              |      |      |          |                                                       | <u>Design Status</u> |                 | <u>Cost</u>                         |                |                |
| <u>Code</u>                                                                                                                                                                                                                   | <u>Project Title</u>                         |      |      |          |                                                       | <u>Start</u>         | <u>Complete</u> | <u>Scope</u>                        | <u>(\$000)</u> |                |
| 72127                                                                                                                                                                                                                         | AUTEC Austere Quarters                       |      |      |          |                                                       | 10/2015              | 04/2019         | 3305 m2                             | 31,050         |                |
| TOTAL                                                                                                                                                                                                                         |                                              |      |      |          |                                                       |                      |                 |                                     | 31,050         |                |
| 9. Future Projects:                                                                                                                                                                                                           |                                              |      |      |          |                                                       |                      |                 |                                     |                |                |
| A. Included In The Following Program:                                                                                                                                                                                         |                                              |      |      |          |                                                       |                      |                 |                                     |                |                |
| B. Major Planned Next Three Years:                                                                                                                                                                                            |                                              |      |      |          |                                                       |                      |                 |                                     |                |                |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                          |                                              |      |      |          |                                                       |                      |                 |                                     |                | 328,647        |
| 10. Mission or Major Functions:                                                                                                                                                                                               |                                              |      |      |          |                                                       |                      |                 |                                     |                |                |
| Naval Air Station Key West's national security mission supports operational and readiness requirements for Department of Defense, Department of Homeland Security, National Guard units, federal agencies, and allied forces. |                                              |      |      |          |                                                       |                      |                 |                                     |                |                |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                    |                                              |      |      |          |                                                       |                      |                 |                                     |                |                |
| A. Pollution Abatement(*):                                                                                                                                                                                                    |                                              |      |      |          |                                                       |                      |                 |                                     |                | 0              |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                    |                                              |      |      |          |                                                       |                      |                 |                                     |                | 0              |

|                                                                                   |                                                       |                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N00213<br>NAS KEY WEST FL<br>ANDROS ISLAND, BAHAMAS | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.54 |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                           | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00213(AB)<br>NAS KEY WEST FL<br>(AUTC MAIN BASE)<br>ANDROS ISLAND, BAHAMAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           | 4. Project Title<br>AUTC Austere Quarters |                        |
| 5. Program Element<br>0203276N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>72127                    | 7. Project Number<br>P720 | 8. Project Cost (\$000)<br>31,050         |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                           |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | UM                                           | Quantity                  | Unit Cost                                 | Cost(\$000)            |
| AUTC AUSTERE QUARTERS (35,575SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | m2                                           | 3,305                     |                                           | 23,400                 |
| QUARTERS MISSION ESSENTIAL<br>CC72127 (35,575SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | m2                                           | 3,305                     | 4,914.38                                  | (16,240)               |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                           | (6,820)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                           | (340)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                           | 3,480                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                           | (470)                  |
| SPECIAL FOUNDATION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                           | (130)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                           | (240)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                           | (850)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                           | (180)                  |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                           | (1,610)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                           | 26,880                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                           | 1,340                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                           | 28,220                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                           | 1,750                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                           | 29,970                 |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                           | 1,080                  |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                           | 31,050                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                           | 31,050                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                           | (657)                  |
| <b>10. Description of Proposed Construction:</b><br><p>Constructs a low-story austere housing for temporary duty personnel using precast concrete panel construction, with built-up roof and reinforced concrete foundation. Project replaces non-compliant re-locatable housing and noncompliant Bachelor Enlisted Quarters (BEQ) and Bachelor Officer Quarters (BOQ). The project will consist of 60 austere style guest sleeping areas. Project includes spaces equipped for industrial-grade laundry equipment, self-service resident laundry, storage areas, receiving entrance and reception desk.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> |                                              |                           |                                           |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                            |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                            | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N00213(AB)<br>NAS KEY WEST FL<br>(AUTEC MAIN BASE)<br>ANDROS ISLAND, BAHAMAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           | 4. Project Title<br>AUTEC Austere Quarters |                        |
| 5. Program Element<br>0203276N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>72127                    | 7. Project Number<br>P720 | 8. Project Cost (\$000)<br>31,050          |                        |
| <p>Special costs include Post Construction Contract Award Services (PCAS) and enhanced commissioning. Special costs also includes shipping material and equipment to Atlantic Undersea Test and Evaluation Center (AUTEC).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Project demolishes Building #1201 (2,658.33 m2), Building #1204 (3,305 m2) and Building #1216 (84.54 m2). A total of 58 relocatable trailers will also be demolished. This will eliminate the remaining relocatable housing at AUTEC as these trailers have exceeded their useful life.</p> <p>Intended Grade Mix: 164 E1-E6, 35 E7-E8/W01W04/O1-04 and 1 E9/W05/O5-Up<br/>Total: 200 Persons<br/>Total Max: 240 Persons</p> <p>Facilities will be designed to meet the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                            |                        |
| <b>11. Requirement:</b> <u>3,305 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs austere quarters for military personnel assigned to the AUTEC on Andros Island, to replace non-compliant trailer housing and non-compliant BOQ and BEQ.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>AUTEC provides a unique deep-water range facility for undersea warfare. The facility supports Research, Development, Test and Evaluation as well as fleet training, certification, and proficiency exercises resulting in a population of permanent party who operate the facility and a varying group of visiting range users who are there to conduct exercises or tests. There is no off-base housing available at sparsely populated Andros Island which means that AUTEC must be self-sufficient providing lodging for all assigned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                            |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-------------------------------------------|------------------------|-----------------------------------------------------|---------|----------------------------------------------------------|---------|---------------------------|---------|--------------------------------------------|-----|------------------------------------------|-----|-----------------------------|--------------|----------------------------------------------|-----|------------------------------------------------|-----|-----------------------------------|----|--------------------------------------|--|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                           | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| 3. Installation(SA)& Location/UIC: N00213(AB)<br>NAS KEY WEST FL<br>(AUTC MAIN BASE)<br>ANDROS ISLAND, BAHAMAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           | 4. Project Title<br>AUTC Austere Quarters |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| 5. Program Element<br>0203276N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>72127                    | 7. Project Number<br>P720 | 8. Project Cost (\$000)<br>31,050         |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| <p>and visiting personnel. Military personnel visits average over 14,000 people per year. These military personnel numbers only include those that do not have ships to return to and are required to stay at AUTC facilities. The historic loading figures require accommodations for up to 200 military personnel per night.</p> <p><b>CURRENT SITUATION:</b></p> <p>AUTC is using 58 re-locatable structures to house personnel. These facilities do not comply with Department of the Navy regulations restricting the use of housing trailers to provide term housing. These facilities are in various states of deterioration, have several life safety deficiencies and were not designed to withstand hurricane force winds. The existing BEQ and BOQ are non-compliant with current regulations due to myriad health and safety issues.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Military personnel will remain in inadequate relocatable housing and non-compliant BOQ and BEQ that do not meet current Navy minimum housing standards and have safety and health issues. Personnel must be evacuated or relocated during hurricanes and other damaging tropical weather conditions resulting in added expense to the Navy and risk to personnel.</p> <p>Housing availability directly limits the quantity of qualified personnel available to support testing and fleet operations. A major hurricane impacting Andros Island has the potential to shut down range operations and availability to the fleet for an extended period if housing is damaged or destroyed resulting in the reduction of test and evaluation range services for acquisition programs. Some fleet pre-deployment certifications could not be effectively conducted thereby increasing risk to deployed personnel and equipment.</p> |                                              |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>10/2015</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>07/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>04/2019</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>35%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>Yes</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                           |                        | (A) Date design or Parametric Cost Estimate started | 10/2015 | (B) Date 35% Design or Parametric Cost Estimate complete | 07/2017 | (C) Date design completed | 04/2019 | (D) Percent completed as of September 2017 | 35% | (E) Percent completed as of January 2018 | 35% | (F) Type of design contract | Design Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | Yes | (A) Standard or Definitive Design | No | (B) Where design was previously used |  |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10/2015                                      |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 07/2017                                      |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 04/2019                                      |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 35%                                          |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 35%                                          |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Design Build                                 |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Yes                                          |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes                                          |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No                                           |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                           |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |              |                                              |     |                                                |     |                                   |    |                                      |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                           |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-------------------------------------------|------------------------|--------------------------------------------|-------|----------------------------|-------|-----------|---------|--------------|---------|--------------|-------|------------------|------------------|------------------|--|---------------------|---------------|---------------------|---------------------|-----------------------------------|-----|------|-----|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                           | 2. Date<br>05 FEB 2018 |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| 3. Installation(SA)& Location/UIC: N00213(AB)<br>NAS KEY WEST FL<br>(AUTC MAIN BASE)<br>ANDROS ISLAND, BAHAMAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           | 4. Project Title<br>AUTC Austere Quarters |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| 5. Program Element<br>0203276N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code<br>72127                    | 7. Project Number<br>P720 | 8. Project Cost (\$000)<br>31,050         |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$620</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$930</td> </tr> <tr> <td>(C) Total</td> <td>\$1,550</td> </tr> <tr> <td>(D) Contract</td> <td>\$1,010</td> </tr> <tr> <td>(E) In-house</td> <td>\$540</td> </tr> </table> <p>4. Contract award: 02/2019</p> <p>5. Construction start: 06/2019</p> <p>6. Construction complete: 04/2021</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table> <tr> <td><u>Equipment</u></td> <td><u>Procuring</u></td> <td><u>FY Approp</u></td> <td></td> </tr> <tr> <td><u>Nomenclature</u></td> <td><u>Approp</u></td> <td><u>or Requested</u></td> <td><u>Cost (\$000)</u></td> </tr> <tr> <td>Furniture, Fixtures and Equipment</td> <td>OMN</td> <td>2020</td> <td>657</td> </tr> </table> |                                              |                           |                                           |                        | (A) Production of plans and specifications | \$620 | (B) All other design costs | \$930 | (C) Total | \$1,550 | (D) Contract | \$1,010 | (E) In-house | \$540 | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Furniture, Fixtures and Equipment | OMN | 2020 | 657 |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$620                                        |                           |                                           |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$930                                        |                           |                                           |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | \$1,550                                      |                           |                                           |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$1,010                                      |                           |                                           |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$540                                        |                           |                                           |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <u>Procuring</u>                             | <u>FY Approp</u>          |                                           |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                       |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OMN                                          | 2020                      | 657                                       |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                           |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |
| <p>Activity POC: Project Development Lead      Phone No: 401-832-2919</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                           |                        |                                            |       |                            |       |           |         |              |         |              |       |                  |                  |                  |  |                     |               |                     |                     |                                   |     |      |     |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |      |     |              |                                                       |                      |                |                                     |     |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------|-----|--------------|-------------------------------------------------------|----------------------|----------------|-------------------------------------|-----|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |      |     |              |                                                       |                      |                | 2. Date<br>05 FEB 2018              |     |                  |
| 3. Installation and Location: N63005<br>NAVSUPPACT BAHRAIN<br>SW ASIA, BAHRAIN ISLAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |      |     |              | 4. Command<br>Commander Navy<br>Installations Command |                      |                | 5. Area Const<br>Cost Index<br>1.31 |     |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PERMANENT                                    |      |     | STUDENTS     |                                                       |                      | SUPPORT        |                                     |     | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OFF                                          | ENL  | CIV | OFF          | ENL                                                   | CIV                  | OFF            | ENL                                 | CIV |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 664                                          | 2641 | 263 | 0            | 0                                                     | 0                    | 84             | 484                                 | 0   | 4136             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 542                                          | 3020 | 263 | 0            | 0                                                     | 0                    | 84             | 484                                 | 0   | 4393             |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |      |     |              |                                                       |                      |                |                                     |     |                  |
| A. TOTAL ACREAGE ..(66 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |      |     |              |                                                       |                      |                |                                     |     |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |      |     |              |                                                       |                      |                |                                     |     | 782,365          |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |      |     |              |                                                       |                      |                |                                     |     | 132,838          |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |      |     |              |                                                       |                      |                |                                     |     | 26,340           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |      |     |              |                                                       |                      |                |                                     |     | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |      |     |              |                                                       |                      |                |                                     |     | 0                |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |      |     |              |                                                       |                      |                |                                     |     | 405,154          |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |      |     |              |                                                       |                      |                |                                     |     | <b>1,346,697</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |      |     |              |                                                       |                      |                |                                     |     |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |      |     |              |                                                       | <u>Design Status</u> |                | <u>Cost</u>                         |     |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>Project Title</u>                         |      |     | <u>Start</u> | <u>Complete</u>                                       | <u>Scope</u>         | <u>(\$000)</u> |                                     |     |                  |
| 14142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Fleet Maintenance Facility & TOC             |      |     | 09/2016      | 09/2018                                               | 0 LS                 | 26,340         |                                     |     |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |      |     |              |                                                       |                      | TOTAL          | 26,340                              |     |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |      |     |              |                                                       |                      |                |                                     |     |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |      |     |              |                                                       |                      |                |                                     |     |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |      |     |              |                                                       |                      |                |                                     |     |                  |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |      |     |              |                                                       |                      |                |                                     |     | 172,033          |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |      |     |              |                                                       |                      |                |                                     |     |                  |
| This unit is under the Commander, U. S. Naval Forces Central Command (COMUSNAVCENT) who provides overall command and operational control of naval forces assigned to the Commander, U. S. Central Command and coordinates with naval forces operating in support of U. S. Central Command's naval component. Its mission is to maintain and operate facilities and to provide support for visiting units of the operating forces, Department of Defense Dependent School, and to personnel, including dependents, from commands and U.S. Department of Defense activities in the Bahrain area. There are fifty full-time tenants that are supported in addition to the visiting operating forces and the DoD School. Also responsible for operating and maintaining a communications facility to support the Defense Communication System and Fleet requirements in the Persian Gulf to include a message center. |                                              |      |     |              |                                                       |                      |                |                                     |     |                  |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |      |     |              |                                                       |                      |                |                                     |     |                  |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |      |     |              |                                                       |                      |                |                                     |     | 0                |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |      |     |              |                                                       |                      |                |                                     |     | 0                |

|                                                                                       |                                                       |                                     |                        |
|---------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          |                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation and Location: N63005<br>NAVSUPPACT BAHRAIN<br>SW ASIA, BAHRAIN ISLAND | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.31 |                        |

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|                                                                                                                                                                                                                                                                   |                                              |                           |                                                         |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                         | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N63005(SI)<br>NAVSUPPACT BAHRAIN<br>(SHAIKH ISA)<br>SW ASIA, BAHRAIN ISLAND                                                                                                                                                    |                                              |                           | 4. Project Title<br>Fleet Maintenance Facility &<br>TOC |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                    | 6. Category Code<br>14142                    | 7. Project Number<br>P992 | 8. Project Cost (\$000)<br>26,340                       |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                          |                                              |                           |                                                         |                        |
| Item                                                                                                                                                                                                                                                              | UM                                           | Quantity                  | Unit Cost                                               | Cost(\$000)            |
| FLEET MAINTENANCE FACILITY & TOC                                                                                                                                                                                                                                  | LS                                           |                           |                                                         | 21,430                 |
| TACTICAL OPERATIONS CENTER<br>CC14142 (10,000SF)                                                                                                                                                                                                                  | m2                                           | 929                       | 4,635                                                   | (4,310)                |
| FLEET MAINTENANCE FACILITY<br>CC21145 (7,985SF)                                                                                                                                                                                                                   | m2                                           | 741.8                     | 4,826.41                                                | (3,580)                |
| SCIF (PREMIUM) FMF                                                                                                                                                                                                                                                | EA                                           | 1                         | 903,000                                                 | (900)                  |
| SCIF (PREMIUM) TOC                                                                                                                                                                                                                                                | EA                                           | 1                         | 4,250,000                                               | (4,250)                |
| BUILDING #5070 ALTERATION<br>CC14142                                                                                                                                                                                                                              | m2                                           | 133.78                    | 828.08                                                  | (110)                  |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                | LS                                           |                           |                                                         | (1,870)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                     | LS                                           |                           |                                                         | (6,200)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                       | LS                                           |                           |                                                         | (210)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                             |                                              |                           |                                                         | 2,120                  |
| PAVEMENT FACILITIES                                                                                                                                                                                                                                               | LS                                           |                           |                                                         | (70)                   |
| SITE PREPARATIONS                                                                                                                                                                                                                                                 | LS                                           |                           |                                                         | (70)                   |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                      | LS                                           |                           |                                                         | (20)                   |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                                                                                                                                                | LS                                           |                           |                                                         | (40)                   |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                              | LS                                           |                           |                                                         | (1,110)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                              | LS                                           |                           |                                                         | (290)                  |
| DEMOLITION                                                                                                                                                                                                                                                        | LS                                           |                           |                                                         | (520)                  |
| SUBTOTAL                                                                                                                                                                                                                                                          |                                              |                           |                                                         | 23,550                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                  |                                              |                           |                                                         | 1,180                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                               |                                              |                           |                                                         | 24,730                 |
| SIOH (6.5%)                                                                                                                                                                                                                                                       |                                              |                           |                                                         | 1,610                  |
| SUBTOTAL                                                                                                                                                                                                                                                          |                                              |                           |                                                         | 26,340                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                             |                                              |                           |                                                         | 26,340                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                     |                                              |                           |                                                         | 26,340                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                  |                                              |                           |                                                         | (1,061)                |
| <b>10. Description of Proposed Construction:</b><br>Constructs a single-story Tactical Operations Center (TOC), including administrative, secure compartmented information facility (SCIF) and operational areas. The facility will be composed of pre-fabricated |                                              |                           |                                                         |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                         |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                         | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N63005(SI)<br>NAVSUPPACT BAHRAIN<br>(SHAIKH ISA)<br>SW ASIA, BAHRAIN ISLAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           | 4. Project Title<br>Fleet Maintenance Facility &<br>TOC |                        |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>14142                    | 7. Project Number<br>P992 | 8. Project Cost (\$000)<br>26,340                       |                        |
| <p>insulated metal module units on a concrete slab foundation.</p> <p>Constructs a two-story, steel-frame Fleet Maintenance Facility (FMF), including maintenance and repair areas, personnel support areas, SCIF and storage. The facility will be composed of insulated metal panels, concrete slab foundation and structural floor, built-up roof on insulated metal decking, interior pre-fabricated metal module units, and exterior RF-shielded tensile fabric membrane.</p> <p>Renovates Building #5070 to include renovations to the existing gypsum board walls and ceilings.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes power converters and systems, power filters, emergency back-up power generator, pod cooler, storage rack shelving and raised access flooring.</p> <p>Special costs include Post Construction Contract Award Services (PCAS) and storage of prefabricated modules prior to installation.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Electrical utilities include electrical distribution system, communications distribution system, site lighting, site security systems, and relocation of existing electrical utilities.</p> <p>Demolition includes the removal of buildings Unknown #1 (211.35 M2), Unknown #2 (144.8 M2), Unknown #3 (133.78 M2), #5018 (144.8 M2), #5021 (133.78 M2), #5022 (142.7 M2), #5023 (144.8 M2), #5024 (144.8 M2) and #5025 (144.8 M2) to clear the site for this project. Buildings #5050 (312.15 M2), #5055 (29 M2), #5075 (557.42 M2) and #5080 (312.15 M2) will be demolished</p> |                                              |                           |                                                         |                        |



| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                         | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |             |     |      |     |                            |     |      |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------------------|------------------------|------------------|------------------|------------------|--|---------------------|---------------|---------------------|---------------------|-------------|-----|------|-----|----------------------------|-----|------|-----|
| 3. Installation(SA)& Location/UIC: N63005(SI)<br>NAVSUPPACT BAHRAIN<br>(SHAIKH ISA)<br>SW ASIA, BAHRAIN ISLAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>Fleet Maintenance Facility &<br>TOC |                        |                  |                  |                  |  |                     |               |                     |                     |             |     |      |     |                            |     |      |     |
| 5. Program Element<br>0712876N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>14142                    | 7. Project Number<br>P992 | 8. Project Cost (\$000)<br>26,340                       |                        |                  |                  |                  |  |                     |               |                     |                     |             |     |      |     |                            |     |      |     |
| (B) Date 35% Design or Parametric Cost Estimate complete 03/2017<br>(C) Date design completed 09/2018<br>(D) Percent completed as of September 2017 35%<br>(E) Percent completed as of January 2018 50%<br>(F) Type of design contract Design Bid Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed Yes<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used No<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$1,580<br>(B) All other design costs \$790<br>(C) Total \$2,370<br>(D) Contract \$1,910<br>(E) In-house \$460<br>4. Contract award: 03/2019<br>5. Construction start: 04/2019<br>6. Construction complete: 09/2020<br>B. Equipment associated with this project which will be provided from<br>other appropriations:<br><table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>FY Approp</u></th> <th></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Approp</u></th> <th><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>FURNISHINGS</td> <td>OMN</td> <td>2020</td> <td>786</td> </tr> <tr> <td>INTRUSION DETECTION SYSTEM</td> <td>OPN</td> <td>2020</td> <td>275</td> </tr> </tbody> </table> |                                              |                           |                                                         |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | FURNISHINGS | OMN | 2020 | 786 | INTRUSION DETECTION SYSTEM | OPN | 2020 | 275 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u>Procuring</u>                             | <u>FY Approp</u>          |                                                         |                        |                  |                  |                  |  |                     |               |                     |                     |             |     |      |     |                            |     |      |     |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                                     |                        |                  |                  |                  |  |                     |               |                     |                     |             |     |      |     |                            |     |      |     |
| FURNISHINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OMN                                          | 2020                      | 786                                                     |                        |                  |                  |                  |  |                     |               |                     |                     |             |     |      |     |                            |     |      |     |
| INTRUSION DETECTION SYSTEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OPN                                          | 2020                      | 275                                                     |                        |                  |                  |                  |  |                     |               |                     |                     |             |     |      |     |                            |     |      |     |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for<br>joint use potential. Unilateral Construction is recommended. This<br>Facility can be used by other components on an as available basis; however,<br>the scope of the project is based on Department of the Navy requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                         |                        |                  |                  |                  |  |                     |               |                     |                     |             |     |      |     |                            |     |      |     |
| Activity POC: Project Development Lead      Phone No: 081-568-1785                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                         |                        |                  |                  |                  |  |                     |               |                     |                     |             |     |      |     |                            |     |      |     |

|                                                                                     |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
|-------------------------------------------------------------------------------------|----------------------------------------------|----------------------|-----------------|--------------|-------------------------------------------------------|-------------|---------|-------------------------------------|-----|-------|
| 1. Component<br>NAVY                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |                 |              |                                                       |             |         | 2. Date<br>05 FEB 2018              |     |       |
| 3. Installation and Location: N61755<br>NAVBASE GUAM<br>JOINT REGION MARIANAS, GUAM |                                              |                      |                 |              | 4. Command<br>Commander Navy<br>Installations Command |             |         | 5. Area Const<br>Cost Index<br>2.57 |     |       |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                    | PERMANENT                                    |                      |                 | STUDENTS     |                                                       |             | SUPPORT |                                     |     | TOTAL |
|                                                                                     | OFF                                          | ENL                  | CIV             | OFF          | ENL                                                   | CIV         | OFF     | ENL                                 | CIV |       |
|                                                                                     | 526                                          | 2931                 | 1486            | 0            | 0                                                     | 0           | 50      | 191                                 | 0   | 5184  |
|                                                                                     | 542                                          | 3429                 | 1486            | 0            | 0                                                     | 0           | 50      | 191                                 | 0   | 5698  |
| <b>7. INVENTORY DATA (\$000)</b>                                                    |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| A. TOTAL ACREAGE ..(18070 Acres)                                                    |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| B. INVENTORY AS OF 30 SEP 2017 ..... 10,650,118                                     |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| C. AUTHORIZATION NOT YET IN INVENTORY ..... 169,832                                 |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM ..... 36,170                             |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ..... 437,871                        |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| F. PLANNED IN NEXT THREE PROGRAM YEARS ..... 1,365,304                              |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| G. REMAINING DEFICIENCY ..... 7,093,876                                             |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| H. <b>GRAND TOTAL</b> ..... <b>19,753,171</b>                                       |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| 8. Projects Requested In This Program                                               |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| <u>Cat</u>                                                                          |                                              | <u>Design Status</u> |                 |              |                                                       | <u>Cost</u> |         |                                     |     |       |
| <u>Code</u>                                                                         | <u>Project Title</u>                         | <u>Start</u>         | <u>Complete</u> | <u>Scope</u> | <u>(\$000)</u>                                        |             |         |                                     |     |       |
| 72111                                                                               | Unaccompanied Enlisted Housing               | 04/2017              | 09/2018         | 4904 m2      | 36,170                                                |             |         |                                     |     |       |
|                                                                                     |                                              |                      |                 |              | TOTAL                                                 | 36,170      |         |                                     |     |       |
| 9. Future Projects:                                                                 |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| A. Included In The Following Program:                                               |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| 14345                                                                               | CONSOLIDATED ARMORY                          |                      |                 |              |                                                       | 22,733      |         |                                     |     |       |
| 21710                                                                               | 4th Marines Reg Fac                          |                      |                 |              |                                                       | 72,336      |         |                                     |     |       |
| 21410                                                                               | GCE - INF BN 1 & 2 Fac                       |                      |                 |              |                                                       | 71,920      |         |                                     |     |       |
| 61010                                                                               | Infantry Bn Company Hqs                      |                      |                 |              |                                                       | 49,300      |         |                                     |     |       |
| 12310                                                                               | Central Fuel Station                         |                      |                 |              |                                                       | 19,360      |         |                                     |     |       |
|                                                                                     | BEQ H                                        |                      |                 |              |                                                       | 129,180     |         |                                     |     |       |
| 14323                                                                               | EOD Compound Facilities                      |                      |                 |              |                                                       | 41,682      |         |                                     |     |       |
| 44110                                                                               | Central Issue Facility                       |                      |                 |              |                                                       | 31,360      |         |                                     |     |       |
|                                                                                     |                                              |                      |                 |              | TOTAL                                                 | 437,871     |         |                                     |     |       |
| B. Major Planned Next Three Years:                                                  |                                              |                      |                 |              |                                                       |             |         |                                     |     |       |
| 21820                                                                               | CLB-4 FACILITIES                             |                      |                 |              |                                                       | 71,630      |         |                                     |     |       |
|                                                                                     | DAR Bridge Improvements Phase 1              |                      |                 |              |                                                       | 45,000      |         |                                     |     |       |
|                                                                                     | CLB-4 Facilities                             |                      |                 |              |                                                       | 71,174      |         |                                     |     |       |
| 14324                                                                               | 9th ESB EOD                                  |                      |                 |              |                                                       | 7,669       |         |                                     |     |       |
| 14377                                                                               | ECMS (NBGOA)                                 |                      |                 |              |                                                       | 34,231      |         |                                     |     |       |
| 21154                                                                               | AAV/LAR/CEB Maint                            |                      |                 |              |                                                       | 22,821      |         |                                     |     |       |
| 13117                                                                               | Joint Communications Upgrade                 |                      |                 |              |                                                       | 86,800      |         |                                     |     |       |
| 17710                                                                               | Tin High Hazard Impact Area                  |                      |                 |              |                                                       | 46,104      |         |                                     |     |       |
|                                                                                     | Tin Lease                                    |                      |                 |              |                                                       | 16,000      |         |                                     |     |       |
| 14130                                                                               | Tin ATC Tower and Radar Fac                  |                      |                 |              |                                                       | 39,040      |         |                                     |     |       |
|                                                                                     | Tin Short Range Radars and INFS              |                      |                 |              |                                                       | 31,294      |         |                                     |     |       |
|                                                                                     | DAR Bridge Improvements Phase 2              |                      |                 |              |                                                       | 45,000      |         |                                     |     |       |
| 14345                                                                               | Consolidated Armory                          |                      |                 |              |                                                       | 22,629      |         |                                     |     |       |

|                                                                                                                                                                                                                                                                                                                           |                                              |                                                       |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                                                       | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N61755<br>NAVBASE GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                       |                                              | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>2.57 |
| 44110 Dist Warehouse                                                                                                                                                                                                                                                                                                      |                                              |                                                       | 56,241                              |
| 61010 MEB Enablers                                                                                                                                                                                                                                                                                                        |                                              |                                                       | 16,126                              |
| 15260 X-ray Wharf Improvements, Berth 2                                                                                                                                                                                                                                                                                   |                                              |                                                       | 69,120                              |
| 92210 Pagan - Lease                                                                                                                                                                                                                                                                                                       |                                              |                                                       | 66,000                              |
| 21868 Tin Landing Beach                                                                                                                                                                                                                                                                                                   |                                              |                                                       | 14,425                              |
| 21868 Tin Ammo Storage                                                                                                                                                                                                                                                                                                    |                                              |                                                       | 53,039                              |
| 21868 Tin Live Fire Convoy CRS                                                                                                                                                                                                                                                                                            |                                              |                                                       | 55,461                              |
| 21868 Tin Cala & Arm/De-arm                                                                                                                                                                                                                                                                                               |                                              |                                                       | 37,439                              |
| Tin ACE Support                                                                                                                                                                                                                                                                                                           |                                              |                                                       | 57,091                              |
| 21868 Tin Taxiway And Apron                                                                                                                                                                                                                                                                                               |                                              |                                                       | 25,771                              |
| 21677 Artillery Battery                                                                                                                                                                                                                                                                                                   |                                              |                                                       | 48,422                              |
| Exchange Retail Store                                                                                                                                                                                                                                                                                                     |                                              |                                                       | 57,828                              |
| Refueling Facilities X-Ray Wharf                                                                                                                                                                                                                                                                                          |                                              |                                                       | 18,980                              |
| 17136 Battle Simulation Center                                                                                                                                                                                                                                                                                            |                                              |                                                       | 95,268                              |
| 17230 Ind Combat Skills Trng                                                                                                                                                                                                                                                                                              |                                              |                                                       | 8,477                               |
| 17230 CBRNE Training                                                                                                                                                                                                                                                                                                      |                                              |                                                       | 7,010                               |
| 14377 Tin Base Camp Ph II                                                                                                                                                                                                                                                                                                 |                                              |                                                       | 139,214                             |
|                                                                                                                                                                                                                                                                                                                           |                                              |                                                       | <u>TOTAL</u> 1,365,304              |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                      |                                              |                                                       | 2,145,593                           |
| 10. Mission or Major Functions:<br>To support the forces of the US Pacific Fleet and the Marine Corps; the warfighters based on Naval Base Guam; the warfighters serviced and supplied by Naval Base Guam; the commands which provide support to the warfighters; and the families of those stationed at Naval Base Guam. |                                              |                                                       |                                     |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                |                                              |                                                       |                                     |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                |                                              |                                                       | 0                                   |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                |                                              |                                                       | 0                                   |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                    |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61755<br>NAVBASE GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>Unaccompanied Enlisted Housing |                        |
| 5. Program Element<br>0203276N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6. Category Code<br>72111                    | 7. Project Number<br>P640 | 8. Project Cost (\$000)<br>36,170                  |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                    |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | UM                                           | Quantity                  | Unit Cost                                          | Cost(\$000)            |
| UNACCOMPANIED ENLISTED HOUSING<br>(52,786SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | m2                                           | 4,904                     |                                                    | 25,740                 |
| BUILDING 5 CC72111 (13,229SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | m2                                           | 1,229                     | 5,447.88                                           | (6,700)                |
| BUILDING 6 CC72111 (13,767SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | m2                                           | 1,279                     | 5,727.1                                            | (7,320)                |
| BUILDING 18 CC72111 (13,024SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | m2                                           | 1,210                     | 3,328.05                                           | (4,030)                |
| BUILDING 20 CC72111 (12,766SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | m2                                           | 1,186                     | 5,402.79                                           | (6,410)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                    | (910)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                                    | (370)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                    | 6,700                  |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                    | (200)                  |
| PAVEMENT FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                    | (20)                   |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                                    | (240)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                                    | (90)                   |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                    | (3,240)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                    | (180)                  |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                                    | (2,730)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                    | 32,440                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                    | 1,620                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                    | 34,060                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                    | 2,110                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                    | 36,170                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                    | 36,170                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                    | 36,170                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                    | (336)                  |
| <b>10. Description of Proposed Construction:</b><br><br>Convert Building #5 from office space to Unaccompanied Housing (UH) for permanent party enlisted sailors with building common areas including multipurpose spaces, shared kitchen, vending areas, shared laundry and support spaces.<br><br>Convert Building #6 from medical clinic to UH for permanent party enlisted sailors with building common areas including multipurpose spaces, shared kitchen, vending areas, shared laundry and support spaces. |                                              |                           |                                                    |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61755<br>NAVBASE GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           | 4. Project Title<br>Unaccompanied Enlisted Housing |                        |
| 5. Program Element<br>0203276N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6. Category Code<br>72111                    | 7. Project Number<br>P640 | 8. Project Cost (\$000)<br>36,170                  |                        |
| <p>Convert Building #18 from administrative office space to UH for permanent party enlisted sailors with building common areas including multipurpose spaces, shared kitchen, vending areas, shared laundry and support spaces.</p> <p>Convert Building #20 from retail and storage use to UH for permanent party enlisted sailors with building common areas including multipurpose spaces, shared kitchen, vending areas, shared laundry and support spaces.</p> <p>In addition, new layout alterations including plumbing, air conditioning and ventilation, lighting and electrical power, telecommunications, life safety and fire protection improvements, installation of a combination passenger and freight elevator, emergency generator and all buildings will have seismic structural alterations.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Department of Defense and Department of the Navy (DON) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Electrical Utilities include primary and secondary electrical distribution systems, electrical transformers and switchgear, an electrical generator building with fuel tank and pad, and telecommunication distribution systems.</p> <p>Environmental Mitigation includes cultural resources mitigation, Unexploded Munitions (UXO) / Munitions and Explosives of Concern (MEC) mitigation.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy</p> |                                              |                           |                                                    |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61755<br>NAVBASE GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                           | 4. Project Title<br>Unaccompanied Enlisted Housing |                        |
| 5. Program Element<br>0203276N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6. Category Code<br>72111             | 7. Project Number<br>P640 | 8. Project Cost (\$000)<br>36,170                  |                        |
| <p>efficiency.</p> <p>Intended Grade Mix: 144 E1 - E5<br/>16 E6 - E7</p> <p>Total: 160 Persons</p> <p>Maximum Utilization: 176 E1 - E7</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                           |                                                    |                        |
| <p>11. Requirement: <u>4,904 m2</u> Adequate: <u>0 m2</u> Substandard: <u>0 m2</u></p> <p><b>PROJECT:</b></p> <p>Convert and modify existing structures for use as UH located at Naval Base Guam.</p> <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>Additional UH units are required to meet the mission requirement at NBG. The 2+0 BEQ standard will be used instead of the 1+1 standard because of the limited space available in the existing buildings. Each building can accommodate up to 44 beds using the 2+0 standard but can only accommodate 32 beds using the 1+1 standard. The 2+0 standard in the case of Buildings 5, 6, 18 and 20 provides the optimum solution and most efficient utilization of their existing floor plans. The use of the 2+0 BEQ standard is consistent with DON policy.</p> <p><b>CURRENT SITUATION:</b></p> <p>Buildings 5, 6, 18, and 20 are part of an enlisted UH complex that was constructed in the 1950s. The UH complex is comprised of 22 two-story open-bay style UH buildings centrally located on the NBG main site. Some of the buildings remained as UHs while most were converted into administrative offices, clinic, post office, classrooms, retail spaces, storage, and other similar uses.</p> <p>Building #5 is currently mostly vacant. The building was used as administrative spaces by the Navy Personnel Support Detachment. Approximately 1,000 SF portion of the building is being temporarily used as office space by Morale Welfare and Recreation (MWR), which will be relocated when this project is awarded.</p> <p>Building #6 is currently occupied by the Branch Medical Clinic. The clinic will move to the new J-006 Apra Harbor Medical Clinic which is currently in design and planned for construction completion in 2021 under the Defense Policy Review Initiative (DPRI).</p> <p>Building #18 first floor is temporarily administrative office space and the</p> |                                       |                           |                                                    |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                    | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| 3. Installation(SA)& Location/UIC: N61755<br>NAVBASE GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           | 4. Project Title<br>Unaccompanied Enlisted Housing |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| 5. Program Element<br>0203276N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>72111                    | 7. Project Number<br>P640 | 8. Project Cost (\$000)<br>36,170                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| <p>second floor is a 2+0 enlisted UH.</p> <p>Building #20 first floor is currently vacant. It was previously used as retail spaces for the Navy Exchange. The second floor is currently being used as temporary linen storage by the enlisted UH manager.</p> <p>The design and construction of the existing buildings are out of compliance with current structural and seismic codes. The precast reinforced concrete walls, columns, and roof slab contain structural cracks and spalls. Deterioration is due mainly to the corrosion of the reinforcing steel caused by constant exposure to the extremely humid seacoast environment.</p> <p>This project is not located in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>The large enlisted UH deficit will remain, therefore failure to provide this project would be inconsistent with DOD policy and the Chief of Naval Operations (CNO) directive to provide adequate housing for U.S. Navy single/unaccompanied junior enlisted personnel.</p>                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>04/2017</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>09/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>09/2018</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>15%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>40%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>Yes</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td></td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$1,158</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$1,737</td> </tr> <tr> <td>(C) Total</td> <td>\$2,895</td> </tr> <tr> <td>(D) Contract</td> <td>\$0</td> </tr> <tr> <td>(E) In-house</td> <td>\$2,895</td> </tr> </table> <p>4. Contract award: 05/2019</p> <p>5. Construction start: 06/2019</p> <p>6. Construction complete: 06/2020</p> |                                              |                           |                                                    |                        | (A) Date design or Parametric Cost Estimate started | 04/2017 | (B) Date 35% Design or Parametric Cost Estimate complete | 09/2017 | (C) Date design completed | 09/2018 | (D) Percent completed as of September 2017 | 15% | (E) Percent completed as of January 2018 | 40% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | Yes | (A) Standard or Definitive Design | No | (B) Where design was previously used |  | (A) Production of plans and specifications | \$1,158 | (B) All other design costs | \$1,737 | (C) Total | \$2,895 | (D) Contract | \$0 | (E) In-house | \$2,895 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 04/2017                                      |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 09/2017                                      |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 09/2018                                      |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15%                                          |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 40%                                          |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Design Bid Build                             |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Yes                                          |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes                                          |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No                                           |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$1,158                                      |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$1,737                                      |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$2,895                                      |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | \$0                                          |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | \$2,895                                      |                           |                                                    |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |  |                                            |         |                            |         |           |         |              |     |              |         |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                                         |                                                    | 2. Date<br>05 FEB 2018 |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------|----------------------------------------------------|------------------------|-----------------------------------------|-----------------------------------|-----------------------------------------|---------------------|---------------------------------|-----|------|----|---------------|-----|------|----|--------------------------|-----|------|----|--------|-----|------|----|-----------------------------|-----|------|----|
| 3. Installation(SA)& Location/UIC: N61755<br>NAVBASE GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                                         | 4. Project Title<br>Unaccompanied Enlisted Housing |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
| 5. Program Element<br>0203276N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>72111                    | 7. Project Number<br>P640               | 8. Project Cost (\$000)<br>36,170                  |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
| B. Equipment associated with this project which will be provided from other appropriations: <table border="1"> <thead> <tr> <th><u>Equipment</u><br/><u>Nomenclature</u></th> <th><u>Procuring</u><br/><u>Approp</u></th> <th><u>FY Approp</u><br/><u>or Requested</u></th> <th><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Furniture: beds, chairs, tables</td> <td>OMN</td> <td>2020</td> <td>58</td> </tr> <tr> <td>Refrigerators</td> <td>OMN</td> <td>2020</td> <td>68</td> </tr> <tr> <td>Stacked washers &amp; dryers</td> <td>OMN</td> <td>2020</td> <td>59</td> </tr> <tr> <td>Stoves</td> <td>OMN</td> <td>2020</td> <td>68</td> </tr> <tr> <td>Television / Communications</td> <td>OMN</td> <td>2020</td> <td>83</td> </tr> </tbody> </table> |                                              |                                         |                                                    |                        | <u>Equipment</u><br><u>Nomenclature</u> | <u>Procuring</u><br><u>Approp</u> | <u>FY Approp</u><br><u>or Requested</u> | <u>Cost (\$000)</u> | Furniture: beds, chairs, tables | OMN | 2020 | 58 | Refrigerators | OMN | 2020 | 68 | Stacked washers & dryers | OMN | 2020 | 59 | Stoves | OMN | 2020 | 68 | Television / Communications | OMN | 2020 | 83 |
| <u>Equipment</u><br><u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u>Procuring</u><br><u>Approp</u>            | <u>FY Approp</u><br><u>or Requested</u> | <u>Cost (\$000)</u>                                |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
| Furniture: beds, chairs, tables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | OMN                                          | 2020                                    | 58                                                 |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
| Refrigerators                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OMN                                          | 2020                                    | 68                                                 |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
| Stacked washers & dryers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | OMN                                          | 2020                                    | 59                                                 |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
| Stoves                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | OMN                                          | 2020                                    | 68                                                 |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
| Television / Communications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | OMN                                          | 2020                                    | 83                                                 |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
| C. FY 2017 R&M Conducted (\$000):<br>D. FY 2018 R&M Conducted (\$000):<br>E. Future R&M Requirements (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                                         |                                                    |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                                         |                                                    |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |
| Activity POC: Project Development Lead      Phone No: 671.339.4585                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                                         |                                                    |                        |                                         |                                   |                                         |                     |                                 |     |      |    |               |     |      |    |                          |     |      |    |        |     |      |    |                             |     |      |    |

|                                                                                          |                                              |                           |                                                    |                        |
|------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                    | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61755<br>NAVBASE GUAM<br>JOINT REGION MARIANAS, GUAM |                                              |                           | 4. Project Title<br>Unaccompanied Enlisted Housing |                        |
| 5. Program Element<br>0203276N                                                           | 6. Category Code<br>72111                    | 7. Project Number<br>P640 | 8. Project Cost (\$000)<br>36,170                  |                        |
| <p><b>Blank Page</b></p>                                                                 |                                              |                           |                                                    |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |      |     |              |                                                       |                      |                |                                     |     |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------|-----|--------------|-------------------------------------------------------|----------------------|----------------|-------------------------------------|-----|-------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |      |     |              |                                                       |                      |                | 2. Date<br>05 FEB 2018              |     |                   |
| 3. Installation and Location: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |      |     |              | 4. Command<br>Commander Navy<br>Installations Command |                      |                | 5. Area Const<br>Cost Index<br>2.57 |     |                   |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PERMANENT                                    |      |     | STUDENTS     |                                                       |                      | SUPPORT        |                                     |     | TOTAL             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OFF                                          | ENL  | CIV | OFF          | ENL                                                   | CIV                  | OFF            | ENL                                 | CIV |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 176                                          | 1889 | 0   | 0            | 0                                                     | 0                    | 0              | 0                                   | 0   | 2065              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 185                                          | 1762 | 0   | 0            | 0                                                     | 0                    | 0              | 0                                   | 0   | 1947              |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |      |     |              |                                                       |                      |                |                                     |     |                   |
| A. TOTAL ACREAGE ..(17611 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |      |     |              |                                                       |                      |                |                                     |     |                   |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |      |     |              |                                                       |                      |                |                                     |     | 8,813,448         |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |      |     |              |                                                       |                      |                |                                     |     | 323,703           |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |      |     |              |                                                       |                      |                |                                     |     | 243,487           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |      |     |              |                                                       |                      |                |                                     |     | 0                 |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |      |     |              |                                                       |                      |                |                                     |     | 0                 |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |      |     |              |                                                       |                      |                |                                     |     | 625,595           |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |      |     |              |                                                       |                      |                |                                     |     | <b>10,006,233</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |      |     |              |                                                       |                      |                |                                     |     |                   |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |      |     |              |                                                       | <u>Design Status</u> |                | <u>Cost</u>                         |     |                   |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>Project Title</u>                         |      |     | <u>Start</u> | <u>Complete</u>                                       | <u>Scope</u>         | <u>(\$000)</u> |                                     |     |                   |
| 72210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ACE Gym & Dining                             |      |     | 08/2015      | 11/2019                                               | 1933 m2              | 27,910         |                                     |     |                   |
| 42122                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Earth Covered Magazines                      |      |     | 02/2017      | 10/2018                                               | 6649 m2              | 52,270         |                                     |     |                   |
| 14320                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Ordnance Operations                          |      |     | 02/2017      | 10/2018                                               | 1103 m2              | 22,020         |                                     |     |                   |
| 17940                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Machine Gun Range                            |      |     | 12/2016      | 12/2018                                               | 2 EA                 | 141,287        |                                     |     |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |      |     |              |                                                       | TOTAL                | 243,487        |                                     |     |                   |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |      |     |              |                                                       |                      |                |                                     |     |                   |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |      |     |              |                                                       |                      |                |                                     |     |                   |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |      |     |              |                                                       |                      |                |                                     |     |                   |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |      |     |              |                                                       |                      |                |                                     |     | 1,088,804         |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |      |     |              |                                                       |                      |                |                                     |     |                   |
| As the host unit at Andersen Air Force Base (Joint Region Marianas), Guam, the 36th Wing has an expansive mission that relies on the Team Andersen concept to provide the highest quality peacetime and wartime support to project global power and reach from our vital location in the Pacific. Andersen is home to the 36th Wing, Air Mobility Command's 734th Air Mobility Support Squadron, Naval unit Helicopter Sea Combat Squadron Twenty Five (HSC-25) and several other tenant organizations. Andersen Air Force Base will also support elements of III Marine Expeditionary Force (1st Marine Aircraft Wing units). |                                              |      |     |              |                                                       |                      |                |                                     |     |                   |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |      |     |              |                                                       |                      |                |                                     |     |                   |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |      |     |              |                                                       |                      |                |                                     |     | 0                 |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |      |     |              |                                                       |                      |                |                                     |     | 0                 |

|                                                                                                   |                                                       |                                     |                        |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          |                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation and Location: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>2.57 |                        |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           | 4. Project Title<br>ACE Gym & Dining |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>72210                    | 7. Project Number<br>P270 | 8. Project Cost (\$000)<br>27,910    |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                      |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | UM                                           | Quantity                  | Unit Cost                            | Cost(\$000)            |
| ACE GYM & DINING (20,807SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | m2                                           | 1,933                     |                                      | 18,070                 |
| HITT CENTER AND DINING<br>FACILITY CC72210 (20,807SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | m2                                           | 1,933                     | 7,240.12                             | (14,000)               |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                      | (2,200)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                      | (1,710)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                      | (160)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                      | 6,090                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                      | (450)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                      | (1,800)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                      | (1,110)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                      | (1,580)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                      | (1,150)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                      | 24,160                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                      | 1,210                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                      | 25,370                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                      | 1,570                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                      | 26,940                 |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                      | 970                    |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                      | 27,910                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                      | 27,910                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                      | (5,953)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                      |                        |
| <p>Constructs a low rise combined Dining and High Intensity Tactical Training (HITT) facility for the Aviation Combat Element (ACE) that will be working at the North Ramp. Facility constructed of reinforced concrete exterior walls, shallow foundation system of spread and strip footings, and roofing, Facility construction and building system componenets designed to Guam earthquake and environmental conditions. The enlisted dining facility will include entrance lobby, carry-out area, main and snack food lines, sign-out stations, beverage, cereal, bread and dessert areas, dining area, public restrooms, dish/pot washing areas, kitchen and preparation areas, storage (dry, property, refrigerated, freezer), loading dock, support areas (administrative offices, staff restrooms and lockers, janitorial, and can wash), and mechanical and communication services. The HITT portion of the</p> |                                              |                           |                                      |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                      |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           | 4. Project Title<br>ACE Gym & Dining |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>72210                    | 7. Project Number<br>P270 | 8. Project Cost (\$000)<br>27,910    |                        |
| <p>facility will have a fitness area, an office, equipment storage, and locker rooms.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security in accordance with DOD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes kitchen and food service equipment, radon mitigation system, back-up generator, fuel oil storage tank and fuel oil day tank.</p> <p>Special costs include post construction award services (PCAS), which includes geospatial surveys and mapping, Guam gross receipt taxes (GRT), and archaeological monitoring.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with Federal Laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Paving and site improvements consist of parking facilities for approximately 120 vehicles, pavement for firelanes and roadways, sidewalks, stairs, bollards, fencing, gates, retaining walls, natural gas tank wall enclosure, fuel storage tank wall enclosure, trash enclosure walls, and landscaping.</p> <p>Electrical utilities include 750 KVA pad-mounted transformer, primary and secondary distribution, site lighting, and site communication and security.</p> <p>Mechanical utilities include water supply, sanitary sewer, storm sewer, and bioswales. The ground improvements will include a drainage system.</p> <p>Environmental mitigation includes site remediation (hazardous), natural and cultural resource mitigation, to include direct and programmatic mitigations required by the Record of Decision (ROD), Biological Opinion (BO) and Programmatic Agreement (PA) and munitions and explosives of concern (MEC).</p> |                                              |                           |                                      |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                      | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           | 4. Project Title<br>ACE Gym & Dining |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>72210                    | 7. Project Number<br>P270 | 8. Project Cost (\$000)<br>27,910    |                        |
| Facilities will be designed to meet or exceed the useful life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                      |                        |
| <b>11. Requirement:</b> <u>1,933 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>This project constructs a low rise combined indoor HITT and dining facility at the North Ramp.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b><br>The 2009 Guam International Agreement was amended in October 2013 between the United States Government and the Government of Japan. The agreement outlines the realignment of Marine Corps forces to reduce the United States military footprint on Okinawa, including the relocation of forces from Japan to Guam. The Guam Master Plan was completed in June 2014 to ensure all operational, base support, training, and quality of life requirements and support facilities and infrastructure were identified and sited. A dining and HITT facility is required to support active duty personnel that will be working at North Ramp.<br><b>CURRENT SITUATION:</b><br>There are limited facilities at NSA AAFB North Ramp that can accommodate these requirements. The majority of the active duty personnel that will be working at North Ramp will be UDP, and therefore require support facilities within walking distance.<br><br>This project is not sited in a 100-year flood plain.<br><b>IMPACT IF NOT PROVIDED:</b><br>This project is critical in providing dining and training facilities for PCS and UDP units that will operate at AAFB North Ramp. Units/activities will not vacate their current facilities on Okinawa until new replacement and support facilities in Guam have been completed, inspected, accepted, and out-fitted. Failure to complete this project on time may delay or prevent relocation from occurring. |                                              |                           |                                      |                        |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 08/2015<br>(B) Date 35% Design or Parametric Cost Estimate complete 05/2017<br>(C) Date design completed 11/2019<br>(D) Percent completed as of September 2017 15%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                      |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                      | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                         |       |      |     |                                      |     |      |       |                                   |       |      |       |                      |     |      |    |
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| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>ACE Gym & Dining |                        |                  |                  |                  |  |                     |               |                     |                     |                         |       |      |     |                                      |     |      |       |                                   |       |      |       |                      |     |      |    |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>72210                    | 7. Project Number<br>P270 | 8. Project Cost (\$000)<br>27,910    |                        |                  |                  |                  |  |                     |               |                     |                     |                         |       |      |     |                                      |     |      |       |                                   |       |      |       |                      |     |      |    |
| (E) Percent completed as of January 2018 <span style="float: right;">30%</span><br>(F) Type of design contract <span style="float: right;">Design Build</span><br>(G) Parametric Estimate used to develop cost <span style="float: right;">Yes</span><br>(H) Energy Study/Life Cycle Analysis performed <span style="float: right;">No</span><br>2. Basis:<br>(A) Standard or Definitive Design <span style="float: right;">No</span><br>(B) Where design was previously used <span style="float: right;">N/A</span><br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications <span style="float: right;">\$558</span><br>(B) All other design costs <span style="float: right;">\$837</span><br>(C) Total <span style="float: right;">\$1,395</span><br>(D) Contract <span style="float: right;">\$942</span><br>(E) In-house <span style="float: right;">\$453</span><br>4. Contract award: <span style="float: right;">04/2019</span><br>5. Construction start: <span style="float: right;">12/2019</span><br>6. Construction complete: <span style="float: right;">01/2021</span><br>B. Equipment associated with this project which will be provided from other appropriations:<br><table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>C4I Planning and Design</td> <td>O&amp;MMC</td> <td>2019</td> <td style="text-align: right;">880</td> </tr> <tr> <td>Electronic Security and Audio Visual</td> <td>PMC</td> <td>2020</td> <td style="text-align: right;">2,604</td> </tr> <tr> <td>Furniture, Fixtures and Equipment</td> <td>O&amp;MMC</td> <td>2020</td> <td style="text-align: right;">2,440</td> </tr> <tr> <td>Smart Grid Equipment</td> <td>PMC</td> <td>2020</td> <td style="text-align: right;">30</td> </tr> </tbody> </table> C. FY 2017 R&M Conducted (\$000):<br>D. FY 2018 R&M Conducted (\$000):<br>E. Future R&M Requirements (\$000):<br>JOINT USE CERTIFICATION:<br>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Joint Use is recommended. |                                              |                           |                                      |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | C4I Planning and Design | O&MMC | 2019 | 880 | Electronic Security and Audio Visual | PMC | 2020 | 2,604 | Furniture, Fixtures and Equipment | O&MMC | 2020 | 2,440 | Smart Grid Equipment | PMC | 2020 | 30 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>Procuring</u>                             | <u>FY Approp</u>          |                                      |                        |                  |                  |                  |  |                     |               |                     |                     |                         |       |      |     |                                      |     |      |       |                                   |       |      |       |                      |     |      |    |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                  |                        |                  |                  |                  |  |                     |               |                     |                     |                         |       |      |     |                                      |     |      |       |                                   |       |      |       |                      |     |      |    |
| C4I Planning and Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | O&MMC                                        | 2019                      | 880                                  |                        |                  |                  |                  |  |                     |               |                     |                     |                         |       |      |     |                                      |     |      |       |                                   |       |      |       |                      |     |      |    |
| Electronic Security and Audio Visual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PMC                                          | 2020                      | 2,604                                |                        |                  |                  |                  |  |                     |               |                     |                     |                         |       |      |     |                                      |     |      |       |                                   |       |      |       |                      |     |      |    |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | O&MMC                                        | 2020                      | 2,440                                |                        |                  |                  |                  |  |                     |               |                     |                     |                         |       |      |     |                                      |     |      |       |                                   |       |      |       |                      |     |      |    |
| Smart Grid Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PMC                                          | 2020                      | 30                                   |                        |                  |                  |                  |  |                     |               |                     |                     |                         |       |      |     |                                      |     |      |       |                                   |       |      |       |                      |     |      |    |
| Activity POC: Project Development Lead      Phone No: 808-477-5892                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                      |                        |                  |                  |                  |  |                     |               |                     |                     |                         |       |      |     |                                      |     |      |       |                                   |       |      |       |                      |     |      |    |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>Earth Covered Magazines |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Category Code<br>42122                    | 7. Project Number<br>P290 | 8. Project Cost (\$000)<br>52,270           |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                             |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UM                                           | Quantity                  | Unit Cost                                   | Cost(\$000)            |
| EARTH COVERED MAGAZINES (71,565SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | m2                                           | 6,648.6                   |                                             | 21,250                 |
| EARTH COVERED MAGAZINES (ECMS)<br>CC42122 (26,565SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | m2                                           | 2,468                     | 5,990.11                                    | (14,780)               |
| OPEN STORAGE PADS CC21610<br>(35,000SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | m2                                           | 3,251.6                   | 757.44                                      | (2,460)                |
| AMMO REWORK AND O/H SHOP<br>CC21610 (10,000SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | m2                                           | 929                       | 2,821.78                                    | (2,620)                |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                             | (20)                   |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                             | (1,170)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                             | (200)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                             | 25,630                 |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                             | (2,260)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                             | (5,570)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                             | (13,600)               |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                             | (1,200)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                             | (3,000)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                             | 46,880                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             | 2,340                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                             | 49,220                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                             | 3,050                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                             | 52,270                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                             | 52,270                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                             | 52,270                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             | (3,562)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                             |                        |
| <p>Constructs 12 standard Hayman earth covered magazines (ECMs) of reinforced concrete capable of storing at a minimum 250,000 pounds net explosive weight (NEW) of Class/Division 1.1 munitions. Construction includes security lighting for the facilities and the magazines will be provided with infrastructure for an Intrusion Detection System (IDS). Facilities will support retail ordnance storage and operations for USMC Aviation Combat Element (ACE) and Ground Combat Element (GCE) at Munitions Storage Area (MSA) One.</p> |                                              |                           |                                             |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           | 4. Project Title<br>Earth Covered Magazines |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>42122                    | 7. Project Number<br>P290 | 8. Project Cost (\$000)<br>52,270           |                        |
| <p>Constructs two open partially covered operations pads with lightning protection system (LPS), grounding and electrical service - one stuff/unstuff pad, and one ordnance pad. The two pads will be constructed of Portland cement concrete (PCC) slabs on grade, partially covered by roof overhang covers constructed of reinforced concrete roof slabs supported by reinforced concrete beams, columns and foundations.</p> <p>Constructs an ammunition rework and overhead shop.</p> <p>Built-in equipment includes built in grounded assembly tables.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings. User Generated Unit Costs were used for this project and include the cost of features to meet the minimum DoD AT/FP standards. The magazines will be designed to resist sympathetic detonation from blast pressures generated from adjacent magazines.</p> <p>Special costs include post construction contract award services (PCAS), geospatial surveys and mapping, and Guam gross receipts tax.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Site preparation includes clearing and grubbing, earthwork, temporary sediment and erosion control, construction of earth berms and disposal of soil below new construction footprint.</p> <p>Paving and site improvements consists of roadway reconstruction of B and C avenues, road resurfacing of Ninth and Fifteenth Streets, concrete aprons, security fencing and gates, and landscaping.</p> <p>Electrical utilities include primary and secondary distribution systems, transformers, connection for portable back-up, emergency generator and telecommunications distribution.</p> <p>Mechanical utilities include foundation wall drains, shallow depressions, and swales for storm water disposal.</p> <p>Environmental mitigation includes natural and cultural resource mitigation, to include direct and programmatic mitigations required by the Record of</p> |                                              |                           |                                             |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
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| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>42122                    | 7. Project Number<br>P290 | 8. Project Cost (\$000)<br>52,270           |                        |
| <p>Decision (ROD), Biological Opinion (BO) and Programmatic Agreement (PA). Soil testing and remediation and mitigation for Unexploded Ordnance (UXO)/Munitions and Explosives of Concern (MEC) are included in the project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>       |                                              |                           |                                             |                        |
| <b>11. Requirement:</b> <u>6,648 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                             |                        |
| <b>PROJECT:</b><br>Constructs 12 standard Hayman earth covered magazines, two partially covered concrete pads and an ammunition reworks and overhead shop.<br><b>(New Mission)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                             |                        |
| <b>REQUIREMENT:</b><br>The 2009 Guam International Agreement was amended in October 2013 between the United States Government and the Government of Japan. The agreement outlines the realignment of Marine Corps forces to reduce the United States military footprint on Okinawa, including the relocation of forces from Japan to Guam. The Guam Master Plan was completed in June 2014 to ensure all operational, base support, training, quality of life requirements, support facilities and infrastructure were identified and sited. The Military Munitions Annex to the Guam Joint Military Master plan was completed in June 2009, it was used as a supplement to the Guam Master Plan. The annex identifies and reduces explosives safety risks from military munitions.<br><br>This projects is required to meet the munitions storage and assembly operations to meet the Marine Corps mission on Guam. |                                              |                           |                                             |                        |
| <b>CURRENT SITUATION:</b><br>USMC munitions storage and assembly operations are currently conducted afloat and at USMC bases located on Okinawa, Japan. The United States and Japanese governments have bilaterally agreed to relocate USMC units from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                             |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       |                           |                                             |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------|---------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |                           | 4. Project Title<br>Earth Covered Magazines |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>42122             | 7. Project Number<br>P290 | 8. Project Cost (\$000)<br>52,270           |                        |
| <p>Okinawa to Guam. Basic Facility Requirements for Category Code Number 421-22 and 216-10 were established in October 2016 to provide adequate capacity to store retail ammunition at the installation, which includes Class V(W) [Ground] and Class V(A) [Aviation] ordnance for both Aviation Training Relocation (ATR) and non-ATR requirements. The USMC currently lacks the facilities necessary to meet the requirements.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Units/activities will not vacate their current facilities on Okinawa, Japan until new replacement and support facilities in Guam have been completed, inspected, accepted and out-fitted. Failure to complete this project on time may delay or prevent the relocation from occurring.</p> |                                       |                           |                                             |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |                           |                                             |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                           |                                             |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                           |                                             |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 02/2017                               |                           |                                             |                        |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 04/2017                               |                           |                                             |                        |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10/2018                               |                           |                                             |                        |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25%                                   |                           |                                             |                        |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 45%                                   |                           |                                             |                        |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Design Bid Build                      |                           |                                             |                        |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes                                   |                           |                                             |                        |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                    |                           |                                             |                        |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                           |                                             |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No                                    |                           |                                             |                        |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                       |                           |                                             |                        |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                           |                                             |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | \$2,813                               |                           |                                             |                        |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | \$2,011                               |                           |                                             |                        |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | \$4,824                               |                           |                                             |                        |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | \$3,938                               |                           |                                             |                        |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | \$886                                 |                           |                                             |                        |
| 4. Contract award:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 04/2019                               |                           |                                             |                        |
| 5. Construction start:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 05/2019                               |                           |                                             |                        |
| 6. Construction complete:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 04/2021                               |                           |                                             |                        |
| B. Equipment associated with this project which will be provided from other appropriations:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       |                           |                                             |                        |
| Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Procuring                             | FY Approp                 |                                             |                        |
| Nomenclature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Approp                                | or Requested              | Cost (\$000)                                |                        |
| C4I Planning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | O&MMC                                 | 2019                      | 1,690                                       |                        |



|                                                                                                                                                                                                                                                          |                                              |                           |                                             |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                   |                                              |                           | 4. Project Title<br>Earth Covered Magazines |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                           | 6. Category Code<br>42122                    | 7. Project Number<br>P290 | 8. Project Cost (\$000)<br>52,270           |                        |
| C4IT PMC                                                                                                                                                                                                                                                 |                                              | PMC                       | 2021                                        | 1,655                  |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                        |                                              | O&MMC                     | 2021                                        | 77                     |
| Smart Grid Equipment                                                                                                                                                                                                                                     |                                              | PMC                       | 2020                                        | 140                    |
| JOINT USE CERTIFICATION:<br>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Joint Use is recommended. |                                              |                           |                                             |                        |
| Activity POC: Project Development Lead      Phone No: 808-477-5892                                                                                                                                                                                       |                                              |                           |                                             |                        |

|                                                                                                        |                                              |                           |                                             |                        |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                             | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM |                                              |                           | 4. Project Title<br>Earth Covered Magazines |                        |
| 5. Program Element<br>0216496M                                                                         | 6. Category Code<br>42122                    | 7. Project Number<br>P290 | 8. Project Cost (\$000)<br>52,270           |                        |
| <p><b>Blank Page</b></p>                                                                               |                                              |                           |                                             |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>Ordnance Ops  |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code<br>14320                    | 7. Project Number<br>P295 | 8. Project Cost (\$000)<br>22,020 |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                   |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UM                                           | Quantity                  | Unit Cost                         | Cost(\$000)            |
| ORDNANCE OPS (11,873SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | m2                                           | 1,103                     |                                   | 7,230                  |
| INERT STOREHOUSE CC42132<br>(10,000SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | m2                                           | 929                       | 5,638.23                          | (5,240)                |
| ORDNANCE OPS BUILDING CC14320<br>(1,873SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | m2                                           | 174                       | 7,595.66                          | (1,320)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                   | (600)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                   | (70)                   |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                   | 12,510                 |
| SPECIAL CONSTRUCTION FEATURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                   | (10)                   |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                   | (1,500)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                   | (830)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                   | (6,210)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                   | (1,270)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LS                                           |                           |                                   | (2,520)                |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                   | (170)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                   | 19,740                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                   | 990                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                   | 20,730                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                   | 1,290                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                   | 22,020                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                   | 22,020                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                   | 22,020                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                   | (3,957)                |
| <b>10. Description of Proposed Construction:</b><br><br>Construct a low rise (one-story) Inert Storehouse with reinforced concrete walls and roof on spread footings. Building will be outfitted with appropriate fire alarm control panels, automatic fire sprinklers, air conditioning or ventilation as appropriate and smoke detection systems.<br><br>Construct a low rise (one-story) Ordnance Operations Building with reinforced concrete walls and roof on spread footings that includes administrative spaces to support USMC ordnance operations within the 9100 Area Compound. Facility includes automatic fire sprinklers and air |                                              |                           |                                   |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                   |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           | 4. Project Title<br>Ordnance Ops  |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6. Category Code<br>14320                    | 7. Project Number<br>P295 | 8. Project Cost (\$000)<br>22,020 |                        |
| <p>conditioning or ventilation system, telecommunication systems to support unclassified and classified networks that deliver voice, video, collaboration, and building management services. Building telecommunication systems include include Secret Internet Protocol Router Network (SIPRNET), infrastructure for Intrusion Detection System and infrastructure for Access Control System.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), geospatial surveys and mapping, and Guam gross receipts tax.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>DoD and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes site clearing, green waste recycling and management, earthwork and temporary erosion/sediment control, overexcavation and removal of pesticide contaminated soils.</p> <p>Electrical utilities include primary and secondary distribution systems, area lighting, grounding, Lightning Protection System (LPS), connection for portable back-up emergency generator, transformers and telecommunication infrastructure.</p> <p>Mechanical utilities include a water distribution system, fire hydrants, sanitary sewer, septic tank and effluent disposal system, storm water depressions and swales.</p> <p>The project demolishes existing Building #9100, 230.77 M2 (ordnance operations building). Building #9100 cannot be economically renovated and will be demolished to provide space for the new construction.</p> <p>Environmental mitigation includes natural and cultural resource mitigation,</p> |                                              |                           |                                   |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                   |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                   | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>Ordnance Ops  |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>14320                    | 7. Project Number<br>P295 | 8. Project Cost (\$000)<br>22,020 |                        |
| <p>to include direct and programmatic mitigations required by the Record of Decision, Biological Opinion (BO)and Programmatic Agreement. Soil testing, remediation and mitigation for Unexploded Ordnance and Munitions and Explosives of Concern are included in the project.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                   |                        |
| <p><b>11. Requirement:</b> <u>1,103 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u></p> <p><b>PROJECT:</b></p> <p>Constructs an inert storage facility and an ordnance operations building to meet USMC ordnance handling requirements.</p> <p><b>(New Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>The 2009 Guam International Agreement was amended in October 2013 between the United States Government and the Government of Japan. The agreement outlines the realignment of Marine Corps forces to reduce the United States military footprint on Okinawa, including the relocation of forces from Japan to Guam.</p> <p>The Guam Master Plan was completed in June 2014 to ensure all operational, base support, training, quality of life requirements, support facilities and infrastructure were identified and sited. The Military Munitions Annex to the Guam Joint Military Master plan was completed in June 2009, it was used as a supplement to the Guam Master Plan. The annex identifies and reduces explosives safety risks from military munitions.</p> <p>This project is requiried to meet the USMC munitions maintenance and assembly operations on Guam.</p> <p><b>CURRENT SITUATION:</b></p> <p>USMC munitions maintenance and assembly operations are currently conducted at bases located on Okinawa, Japan. The United States and Japanese governments have bilaterally agreed to relocate USMC units from Okinawa to Guam. The USMC currently lacks the facilities necessary to meet the requirements on Guam.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> |                                              |                           |                                   |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                   | 2. Date<br>05 FEB 2018 |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
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| 3. Installation(SA)& Location/UIC: N41557<br>US NAVSUPACT ANDERSEN GUAM<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>Ordnance Ops  |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>14320                    | 7. Project Number<br>P295 | 8. Project Cost (\$000)<br>22,020 |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
| Units/activities will not vacate their current facilities on Okinawa, Japan until new replacement and support facilities in Guam have been completed, inspected, accepted and out-fitted. Failure to complete this project on time may delay or prevent the relocation from occurring.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                   |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 02/2017<br>(B) Date 35% Design or Parametric Cost Estimate complete 04/2017<br>(C) Date design completed 10/2018<br>(D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 60%<br>(F) Type of design contract Design Bid Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed No<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$1,185<br>(B) All other design costs \$847<br>(C) Total \$2,032<br>(D) Contract \$1,659<br>(E) In-house \$373<br>4. Contract award: 04/2019<br>5. Construction start: 05/2019<br>6. Construction complete: 05/2021<br>B. Equipment associated with this project which will be provided from other appropriations:<br><table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>C4I PMC</td> <td>PMC</td> <td>2020</td> <td>2,376</td> </tr> <tr> <td>C4I Planning</td> <td>O&amp;MMC</td> <td>2020</td> <td>1,259</td> </tr> <tr> <td>Furniture, Fixtures and Equipment</td> <td>O&amp;MMC</td> <td>2020</td> <td>292</td> </tr> <tr> <td>Smart Grid Equipment</td> <td>PMC</td> <td>2020</td> <td>30</td> </tr> </tbody> </table> |                                              |                           |                                   |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> | <u>Cost (\$000)</u> | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> |  | C4I PMC | PMC | 2020 | 2,376 | C4I Planning | O&MMC | 2020 | 1,259 | Furniture, Fixtures and Equipment | O&MMC | 2020 | 292 | Smart Grid Equipment | PMC | 2020 | 30 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>Procuring</u>                             | <u>FY Approp</u>          | <u>Cost (\$000)</u>               |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>Approp</u>                                | <u>or Requested</u>       |                                   |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
| C4I PMC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PMC                                          | 2020                      | 2,376                             |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
| C4I Planning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | O&MMC                                        | 2020                      | 1,259                             |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | O&MMC                                        | 2020                      | 292                               |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
| Smart Grid Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PMC                                          | 2020                      | 30                                |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
| <b>JOINT USE CERTIFICATION:</b><br>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Joint Use is recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                   |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |
| Activity POC: Project Development Lead      Phone No: 808-477-5892                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                   |                        |                  |                  |                  |                     |                     |               |                     |  |         |     |      |       |              |       |      |       |                                   |       |      |     |                      |     |      |    |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                       | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557(AP)<br>US NAVSUPACT ANDERSEN GUAM<br>(ANDERSEN S SWR PARCEL)<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>Machine Gun Range |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6. Category Code<br>17940                    | 7. Project Number<br>P735 | 8. Project Cost (\$000)<br>141,287    |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                       |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | UM                                           | Quantity                  | Unit Cost                             | Cost(\$000)            |
| MACHINE GUN RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EA                                           | 2                         |                                       | 77,820                 |
| MACHINE GUN RANGE CC17940                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | EA                                           | 1                         | 68,950,578                            | (68,950)               |
| CONTROL TOWER/AMMO CC17935                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EA                                           | 1                         | 363,150.56                            | (360)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                       | (7,820)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                       | (690)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                       | 48,880                 |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                       | (1,750)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                       | (6,690)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                       | (12,420)               |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                       | (80)                   |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                       | (27,940)               |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                       | 126,700                |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                       | 6,340                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                       | 133,040                |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                       | 8,250                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                       | 141,290                |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                       | 141,290                |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                       | 141,287                |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                       | (9,523)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                       |                        |
| <p>Constructs an Automated Multipurpose Machine Gun Range (MPMG), on the Live-Fire Training Range Complex at Northwest Field. The project consists of a multi-lane machine gun range (MGR) with multiple target emplacements in each lane. The targets will be a mix of the following: single stationary infantry target (SIT) emplacements, double SIT emplacements, moving infantry target emplacements, and stationary armored target emplacements.</p> <p>Additional structures in support of the MGR include a range control tower, an ammunition distribution point, and an enclosed-covered bleacher area. Facilities will be pre-cast concrete or cast-in-place concrete, low-rise facilities with slab on grade foundations, reinforced concrete roofing, windows, mechanical and electrical systems.</p> <p>The facilities will provide Anti-Terrorism/Force Protection (AT/FP)</p> |                                              |                           |                                       |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                       |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                       | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557(AP)<br>US NAVSUPACT ANDERSEN GUAM<br>(ANDERSEN S SWR PARCEL)<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           | 4. Project Title<br>Machine Gun Range |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6. Category Code<br>17940                    | 7. Project Number<br>P735 | 8. Project Cost (\$000)<br>141,287    |                        |
| <p>features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS), Guam Gross Receipts Tax, and geospatial surveys and mapping.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense (DoD) and Department of the Navy (DoN) principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes clearing, grubbing, and a temporary green waste recycling facility.</p> <p>Paving and site improvements include access roads, parking for six Medium Tactical Vehicle Replacements, gravel roads, gravel parking for approximately 10 vehicles, sidewalks and ramps, bleachers, security fencing and gates, "range hot" flag pole, trash enclosure, signage, landscaping and site demolition. In addition, two monitoring wells, drainage spillway, drainage culvert and headwalls, drainage swales and ditches, and sedimentation/infiltration basin will be included in the project.</p> <p>Electrical utilities consist of primary and secondary underground electrical distribution, area lighting and pad-mounted transformers. Targets will be controlled from the range control tower by a hardwired communication system.</p> <p>Environmental mitigation includes natural and cultural resource mitigation, to include direct and programatic mitigations required by the Record of Decision, Biological Opinion and Programmatic Agreement. Archaeological monitoring will be included in this project. Cleanup of contaminated sites within the range footprint is also included in this project.</p> <p>Unexploded ordnance and munitions and explosives of concern clearance are also included in this project.</p> <p>Facilities will be designed to meet or exceed the useful service life</p> |                                              |                           |                                       |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                       |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                       | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557(AP)<br>US NAVSUPACT ANDERSEN GUAM<br>(ANDERSEN S SWR PARCEL)<br>JOINT REGION MARIANAS, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>Machine Gun Range |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>17940                    | 7. Project Number<br>P735 | 8. Project Cost (\$000)<br>141,287    |                        |
| <p>specified in the DoD Unified Facility Code (UFC). Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                       |                        |
| <p><b>11. Requirement:</b> <u>2 EA</u> <b>Adequate:</b> <u>0 EA</u> <b>Substandard:</b> <u>0 EA</u></p> <p><b>PROJECT:</b></p> <p>Constructs a multi-lane MPMG Range, a range control tower, ammunition distribution point, covered bleachers and utilities and site work.</p> <p><b>(New Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>The 2009 Guam International Agreement was amended in October 2013 between the United States Government and the Government of Japan. The agreement outlines the realignment of Marine Corps elements to reduce United States military footprint in Okinawa, including the relocation of forces from Japan to Guam. The Guam Master Plan was completed in June 2014 to ensure all operational, base support, training, quality of life requirements, support facilities, and infrastructure were efficiently identified. The majority of the MCB Guam northern area is undeveloped and requires significant site improvements, grading, earthwork, utility infrastructure, fencing and roadways to support construction. The range will meet training requirements for weapons system qualification for service rifles, automatic rifle, light, medium and heavy machine guns, sniper rifles and grenade launchers and is critical for sustainment of Common Skills and Military Occupational Specialty based Training and Readiness requirements and will ensure that combat readiness for USMC personnel on Guam.</p> <p><b>CURRENT SITUATION:</b></p> <p>Currently, Guam does not have an MPMG Range to accommodate the anticipated sustainment level of Common Skills and MOS based Training and Readiness throughput requirements as a result of USMC active duty personnel relocating to Guam.</p> <p>This project is not sited within a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Weapons training and qualification are essential components of Marine Corps readiness. Without a proper training range capable of meeting training requirements, Marine Corps readiness will be severely impacted. Units/activities will not vacate their current facilities on Okinawa, Japan until new replacement and support facilities in Guam have been completed, inspected, accepted and out-fitted. Failure to complete this project on time may delay or prevent the relocation from occurring.</p> |                                              |                           |                                       |                        |

|                                                                                                                                       |                                              |                           |                                       |                        |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                       | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N41557(AP)<br>US NAVSUPACT ANDERSEN GUAM<br>(ANDERSEN S SWR PARCEL)<br>JOINT REGION MARIANAS, GUAM |                                              |                           | 4. Project Title<br>Machine Gun Range |                        |
| 5. Program Element<br>0216496M                                                                                                        | 6. Category Code<br>17940                    | 7. Project Number<br>P735 | 8. Project Cost (\$000)<br>141,287    |                        |

**12. Supplemental Data:**

A. Estimated Design Data:

1. Status:
 

|                                                          |                  |
|----------------------------------------------------------|------------------|
| (A) Date design or Parametric Cost Estimate started      | 12/2016          |
| (B) Date 35% Design or Parametric Cost Estimate complete | 05/2017          |
| (C) Date design completed                                | 12/2018          |
| (D) Percent completed as of September 2017               | 35%              |
| (E) Percent completed as of January 2018                 | 60%              |
| (F) Type of design contract                              | Design Bid Build |
| (G) Parametric Estimate used to develop cost             | Yes              |
| (H) Energy Study/Life Cycle Analysis performed           | No               |
2. Basis:
 

|                                      |     |
|--------------------------------------|-----|
| (A) Standard or Definitive Design    | No  |
| (B) Where design was previously used | N/A |
3. Total Cost (C) = (A) + (B) = (D) + (E):
 

|                                            |          |
|--------------------------------------------|----------|
| (A) Production of plans and specifications | \$7,792  |
| (B) All other design costs                 | \$6,399  |
| (C) Total                                  | \$14,191 |
| (D) Contract                               | \$11,584 |
| (E) In-house                               | \$2,607  |
4. Contract award: 03/2019
5. Construction start: 04/2019
6. Construction complete: 01/2024

B. Equipment associated with this project which will be provided from other appropriations:

| <u>Equipment</u>                 | <u>Procuring</u> | <u>FY Approp</u>    | <u>Cost (\$000)</u> |
|----------------------------------|------------------|---------------------|---------------------|
| <u>Nomenclature</u>              | <u>Approp</u>    | <u>or Requested</u> |                     |
| Collateral Equipment             | O&MMC            | 2023                | 5                   |
| PSE/C4I Planning                 | O&MMC            | 2019                | 3,956               |
| PSE/C4I Procurement/Installation | PMC              | 2024                | 1,622               |
| Smart Grid Equipmentt            | PMC              | 2022                | 30                  |
| Targeting System                 | PMC              | 2024                | 3,909               |

**JOINT USE CERTIFICATION:**

The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.

Activity POC: Project Development Lead      Phone No: (808) 477-5892

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |         |                                                       |     |              |                                     |                        |     |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|---------|-------------------------------------------------------|-----|--------------|-------------------------------------|------------------------|-----|------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |         |                                                       |     |              |                                     | 2. Date<br>05 FEB 2018 |     |                  |
| 3. Installation and Location: N60514<br>NAVSTA GUANTANAMO BAY<br>GUANTANAMO BAY, CUBA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |         | 4. Command<br>Commander Navy<br>Installations Command |     |              | 5. Area Const<br>Cost Index<br>1.91 |                        |     |                  |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PERMANENT                                    |                      |         | STUDENTS                                              |     |              | SUPPORT                             |                        |     | TOTAL            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OFF                                          | ENL                  | CIV     | OFF                                                   | ENL | CIV          | OFF                                 | ENL                    | CIV |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 313                                          | 2263                 | 2986    | 0                                                     | 0   | 0            | 98                                  | 56                     | 0   | 5716             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 324                                          | 2330                 | 2986    | 0                                                     | 0   | 0            | 98                                  | 56                     | 0   | 5794             |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |         |                                                       |     |              |                                     |                        |     |                  |
| A. TOTAL ACREAGE ..(28817 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |         |                                                       |     |              |                                     |                        |     |                  |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |         |                                                       |     |              |                                     |                        |     | 4,601,739        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |         |                                                       |     |              |                                     |                        |     | 0                |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                      |         |                                                       |     |              |                                     |                        |     | 85,000           |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |         |                                                       |     |              |                                     |                        |     | 0                |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |         |                                                       |     |              |                                     |                        |     | 19,689           |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                      |         |                                                       |     |              |                                     |                        |     | 181,191          |
| H. <b>GRAND TOTAL</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                      |         |                                                       |     |              |                                     |                        |     | <b>4,887,619</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |         |                                                       |     |              |                                     |                        |     |                  |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              | <u>Design Status</u> |         |                                                       |     | <u>Cost</u>  |                                     |                        |     |                  |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>Project Title</u>                         | <u>Start</u>         |         | <u>Complete</u>                                       |     | <u>Scope</u> | <u>(\$000)</u>                      |                        |     |                  |
| 83315                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Solid Waste Management Facility              | 11/2016              | 10/2019 |                                                       |     | 0 LS         | 85,000                              |                        |     |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |         |                                                       |     | TOTAL        | 85,000                              |                        |     |                  |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                      |         |                                                       |     |              |                                     |                        |     |                  |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |         |                                                       |     |              |                                     |                        |     |                  |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |         |                                                       |     |              |                                     |                        |     |                  |
| 73010 Consolidated Fire Station                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |         |                                                       |     |              |                                     |                        |     | 19,689           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |         |                                                       |     |              |                                     |                        |     | TOTAL 19,689     |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |         |                                                       |     |              |                                     |                        |     | 831,351          |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |         |                                                       |     |              |                                     |                        |     |                  |
| <p>Naval Base Guantanamo Bay is on the front lines of the battle for regional security and protection from drug trafficking and terrorism, and protection for those who attempt to make their way through regional seas in un-seaworthy craft. The base protects the ability of US Navy and Coast Guard ships to operate in the Caribbean area with supplies and support for their operational commitments. Naval Base Guantanamo Bay has become the host to the Detainee Mission of the War on Terrorism following the September 11, 2001 terrorist attacks. The base has a unique posture in the Western Hemisphere in that it is the oldest US base outside the continental U.S. and the only one in a country that does not enjoy an open political relationship with the United States. Base also maintains: U.S. treaty obligations, a naval base for refueling ships, the fence line surrounding the base and the international shipping channel through Guantanamo Bay. Additional missions include the maintenance of a forward presence near the Windward Passage to the Caribbean and port facilities, naval airfield and staging areas on the base in support of U.S. contingency operations in the Caribbean.</p> |                                              |                      |         |                                                       |     |              |                                     |                        |     |                  |

|                                                                                       |                                              |                                                       |                                     |
|---------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                                                       | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N60514<br>NAVSTA GUANTANAMO BAY<br>GUANTANAMO BAY, CUBA |                                              | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>1.91 |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                            |                                              |                                                       |                                     |
| A. Pollution Abatement(*):                                                            |                                              |                                                       | 0                                   |
| B. Occupational Safety and Health(OSH)(#):                                            |                                              |                                                       | 0                                   |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                     |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60514<br>NAVSTA GUANTANAMO BAY<br>GUANTANAMO BAY, CUBA                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>Solid Waste Management Facility |                        |
| 5. Program Element<br>0301376N                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>83315                    | 7. Project Number<br>P160 | 8. Project Cost (\$000)<br>85,000                   |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                     |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                 | UM                                           | Quantity                  | Unit Cost                                           | Cost(\$000)            |
| SOLID WASTE MANAGEMENT FACILITY                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                     | 57,740                 |
| LANDFILL CC83315 (15AC)                                                                                                                                                                                                                                                                                                                                                                                                                              | ha                                           | 6                         | 2,165,844.6                                         | (13,000)               |
| PROCESSING/SORTING FACILITY<br>CC73082 (40,000SF)                                                                                                                                                                                                                                                                                                                                                                                                    | m2                                           | 3,716.1                   | 8,875.24                                            | (32,980)               |
| SUPPORT FACILITY CC73036<br>(972SF)                                                                                                                                                                                                                                                                                                                                                                                                                  | m2                                           | 90.3                      | 5,819.35                                            | (530)                  |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                                     | (7,830)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                                     | (2,300)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                     | (1,100)                |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                     | 15,850                 |
| PAVEMENT FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                                     | (100)                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                     | (3,430)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                                     | (8,790)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                                     | (680)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                                     | (2,510)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                     | (280)                  |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                                     | (60)                   |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                     | 73,590                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                     | 3,680                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                     | 77,270                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                     | 4,790                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                     | 82,060                 |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                     | 2,940                  |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                     | 85,000                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                     | 85,000                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                     | (5,910)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                     |                        |
| Constructs a lined municipal solid waste landfill with leachate management as part of a municipal solid waste management facility. Project includes an operations facility, a fully enclosed recycling, sorting and staging facility with conveyors and picking station, and lined sewage beds, all compliant with the Overseas Environmental Baseline Guidance Document (OEBGD). The facility will be capable of managing all solid waste generated |                                              |                           |                                                     |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                     |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60514<br>NAVSTA GUANTANAMO BAY<br>GUANTANAMO BAY, CUBA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           | 4. Project Title<br>Solid Waste Management Facility |                        |
| 5. Program Element<br>0301376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>83315                    | 7. Project Number<br>P160 | 8. Project Cost (\$000)<br>85,000                   |                        |
| <p>at Naval Station Guantanamo Bay (NSGB), including but not limited to 58,000 tons/year of municipal solid waste, construction and demolition (C&amp;D) waste, asbestos, pipes, telephone poles, scrap metal, industrial wastes, scrap tires and combustible fuels.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes a metals recovery plant and picking station, a combustible liquid burner, an industrial tire shredder, combustible liquid filtration systems with associated above-ground storage tanks, wood grinder, an air compressor, diesel stand-by generator, a weigh scale and a vehicle/scrap metal crusher.</p> <p>Special Costs include Post Construction Contract Award Services (PCAS). Special costs also include third party commissioning.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>DoD and Department of the Navy (DON) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Site preparation includes site clearing, and preparation and grading for landfill.</p> <p>Paving and site improvements include gravel, access road improvements and development, grading, parking, roadways, curbs, sidewalks, landscaping, fencing and signs to enclose the expanded complex to existing UFC standards. Site development will also include groundwater monitoring wells, gas monitoring probes, and necessary storm water drainage in accordance with a storm water management plan, and barrier litter fences.</p> <p>Mechanical utilities include water line, groundwater monitoring well, lift station, fire hydrant and gas monitoring probes.</p> <p>Environmental mitigation includes archeological and natural resource</p> |                                              |                           |                                                     |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                     |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60514<br>NAVSTA GUANTANAMO BAY<br>GUANTANAMO BAY, CUBA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>Solid Waste Management Facility |                        |
| 5. Program Element<br>0301376N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>83315                    | 7. Project Number<br>P160 | 8. Project Cost (\$000)<br>85,000                   |                        |
| <p>violation of the OEBGD. Used cooking oil falls under the definition of Petroleum, Oil, and Lubricants (POL) in the OEBGD. POL products are required to be containerized and their release to the environment prevented per standards.</p> <p>The installation currently operates under a one year waiver to the OEBGD granted by the United States Southern Command (USSOUTHCOM) initially on 6 January 2016 and renewed in January 2017. USSOUTHCOM approval states the waiver may be extended annually as long as the installation continues to work towards a compliant solution by September 2021 per the agreed upon Plan of Action and Milestones.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>If an OEBGD compliant on-site solid waste management solution is not implemented, the current waiver from USSOUTHCOM will be terminated leaving NSGB without a means to handle municipal solid waste. The municipal solid waste will accumulate in an uncontrolled fashion potentially resulting in a severe public health hazard. An on-site solution is required per the OEBGD.</p> <p>The scrap tire stockpile will continue to grow, potentially representing a significant risk to the environment and public health. These risks arise from the potential fire hazard as well as the breeding ground for mosquitoes, which can carry numerous viruses (West Nile, Zika, etc.). Additionally, tire fires can be easily ignited by lightning or inadvertent sparks/flame from nearby air curtain incinerators and heavy equipment.</p> |                                              |                           |                                                     |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                     |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                     |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                     |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                     | 11/2016                |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                     | 01/2018                |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                     | 03/2020                |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                     | 10%                    |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                     | 15%                    |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                     | Design Build           |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                     | Yes                    |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                     | No                     |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                     |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                     | No                     |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                     |                        |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                     |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                     | \$1,700                |



|                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                     |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60514<br>NAVSTA GUANTANAMO BAY<br>GUANTANAMO BAY, CUBA                                                                                                                                                                                                                                   |                                              |                           | 4. Project Title<br>Solid Waste Management Facility |                        |
| 5. Program Element<br>0301376N                                                                                                                                                                                                                                                                                               | 6. Category Code<br>83315                    | 7. Project Number<br>P160 | 8. Project Cost (\$000)<br>85,000                   |                        |
| (B) All other design costs                                                                                                                                                                                                                                                                                                   |                                              |                           | \$2,550                                             |                        |
| (C) Total                                                                                                                                                                                                                                                                                                                    |                                              |                           | \$4,250                                             |                        |
| (D) Contract                                                                                                                                                                                                                                                                                                                 |                                              |                           | \$2,760                                             |                        |
| (E) In-house                                                                                                                                                                                                                                                                                                                 |                                              |                           | \$1,490                                             |                        |
| 4. Contract award:                                                                                                                                                                                                                                                                                                           |                                              |                           | 06/2019                                             |                        |
| 5. Construction start:                                                                                                                                                                                                                                                                                                       |                                              |                           | 03/2020                                             |                        |
| 6. Construction complete:                                                                                                                                                                                                                                                                                                    |                                              |                           | 05/2022                                             |                        |
| B. Equipment associated with this project which will be provided from other appropriations:                                                                                                                                                                                                                                  |                                              |                           |                                                     |                        |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                             |                                              | <u>Procuring</u>          | <u>FY Approp</u>                                    |                        |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                          |                                              | <u>Approp</u>             | <u>or Requested</u>                                 | <u>Cost (\$000)</u>    |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                            |                                              | OMN                       | 2020                                                | 19                     |
| Heavy Equipment                                                                                                                                                                                                                                                                                                              |                                              | OPN                       | 2020                                                | 5,880                  |
| Telecommunications                                                                                                                                                                                                                                                                                                           |                                              | OMN                       | 2019                                                | 11                     |
| JOINT USE CERTIFICATION:                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                     |                        |
| The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project. |                                              |                           |                                                     |                        |
| Activity POC: Project Development Lead      Phone No: 757-458-5652                                                                                                                                                                                                                                                           |                                              |                           |                                                     |                        |

|                                                                                            |                                              |                           |                                                     |                        |
|--------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N60514<br>NAVSTA GUANTANAMO BAY<br>GUANTANAMO BAY, CUBA |                                              |                           | 4. Project Title<br>Solid Waste Management Facility |                        |
| 5. Program Element<br>0301376N                                                             | 6. Category Code<br>83315                    | 7. Project Number<br>P160 | 8. Project Cost (\$000)<br>85,000                   |                        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |                                                 |                |                                     |                        |     |     |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|-----------------|-------------------------------------------------|----------------|-------------------------------------|------------------------|-----|-----|---------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                      |                 |                                                 |                |                                     | 2. Date<br>05 FEB 2018 |     |     |               |
| 3. Installation and Location: N62588<br>NAVSUPPACT NAPLES IT<br>PANZER KASERNE, GERMANY                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                      |                 | 4. Command<br>Commandant of the<br>Marine Corps |                | 5. Area Const<br>Cost Index<br>1.06 |                        |     |     |               |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PERMANENT                                    |                      |                 | STUDENTS                                        |                |                                     | SUPPORT                |     |     | TOTAL         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OFF                                          | ENL                  | CIV             | OFF                                             | ENL            | CIV                                 | OFF                    | ENL | CIV |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 180                                          | 205                  | 27              | 0                                               | 0              | 0                                   | 0                      | 0   | 0   | 412           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 178                                          | 200                  | 27              | 0                                               | 0              | 0                                   | 0                      | 0   | 0   | 405           |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |                 |                                                 |                |                                     |                        |     |     |               |
| A. TOTAL ACREAGE ..(6 Acres)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |                                                 |                |                                     |                        |     |     |               |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |                                                 |                |                                     |                        |     |     | 0             |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                      |                 |                                                 |                |                                     |                        |     |     | 0             |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                      |                 |                                                 |                |                                     |                        |     |     | 43,950        |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |                                                 |                |                                     |                        |     |     | 0             |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                      |                 |                                                 |                |                                     |                        |     |     | 0             |
| G. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                      |                 |                                                 |                |                                     |                        |     |     | 0             |
| <b>H. GRAND TOTAL .....</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                      |                 |                                                 |                |                                     |                        |     |     | <b>43,950</b> |
| 8. Projects Requested In This Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |                                                 |                |                                     |                        |     |     |               |
| <u>Cat</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              | <u>Design Status</u> |                 |                                                 |                | <u>Cost</u>                         |                        |     |     |               |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u>Project Title</u>                         | <u>Start</u>         | <u>Complete</u> | <u>Scope</u>                                    | <u>(\$000)</u> |                                     |                        |     |     |               |
| 61070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MARFOREUR HQ Modernization and Expansion     | 03/2017              | 06/2019         | 5650 m2                                         | 43,950         |                                     |                        |     |     |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |                                                 | TOTAL          | 43,950                              |                        |     |     |               |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                      |                 |                                                 |                |                                     |                        |     |     |               |
| A. Included In The Following Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                      |                 |                                                 |                |                                     |                        |     |     |               |
| B. Major Planned Next Three Years:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                      |                 |                                                 |                |                                     |                        |     |     |               |
| C. R&M Unfunded Requirement (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                      |                 |                                                 |                |                                     |                        |     |     | 0             |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                      |                 |                                                 |                |                                     |                        |     |     |               |
| Marine Corps Forces Europe and Africa (MARFOREUR/AF) Headquarters leverages rotational expeditionary Marine forces, to reassure allies and maintain strategic access while supporting rapid response to crises and contingencies throughout the continents of Europe and Africa, by direction of the combatant commands. MARFOREUR/AF also integrates multilateral, combined and joint activities and exercises through partner nation relations that contribute towards security, stability and prosperity throughout their regional reach. |                                              |                      |                 |                                                 |                |                                     |                        |     |     |               |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |                                                 |                |                                     |                        |     |     |               |
| A. Pollution Abatement(*):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |                                                 |                |                                     |                        |     |     | 0             |
| B. Occupational Safety and Health(OSH)(#):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                      |                 |                                                 |                |                                     |                        |     |     | 0             |

|                                                                                         |                                                 |                                     |
|-----------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>    | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N62588<br>NAVSUPPACT NAPLES IT<br>PANZER KASERNE, GERMANY | 4. Command<br>Commandant of the<br>Marine Corps | 5. Area Const<br>Cost Index<br>1.06 |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62588(PK)<br>NAVSUPPACT NAPLES IT<br>(PANZER KASERNE GERMANY)<br>PANZER KASERNE, GERMANY                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>MARFOREUR HQ Modernization and<br>Expansion |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>61070                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>43,950                               |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                 |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | UM                                           | Quantity                  | Unit Cost                                                       | Cost(\$000)            |
| MARFOREUR HQ MODERNIZATION AND<br>EXPANSION (60,818SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | m2                                           | 5,650.18                  |                                                                 | 36,370                 |
| COMMAND & CONTROL FACILITY<br>(EXISTING) CC61070 (48,074SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | m2                                           | 4,466.22                  | 5,345.81                                                        | (23,880)               |
| COMMAND & CONTROL FACILITY<br>(ADDITION) CC61070 (12,744SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | m2                                           | 1,183.96                  | 7,436.5                                                         | (8,800)                |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                                 | (980)                  |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                                 | (350)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                                 | (2,070)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                                 | (290)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                                 | 1,570                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                                 | (230)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                                 | (250)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                                 | (340)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                                 | (250)                  |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                                                 | (500)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                 | 37,940                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                                 | 1,900                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                                 | 39,840                 |
| SIOH (6.5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                                 | 2,590                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                                 | 42,430                 |
| DESIGN/BUILD - DESIGN COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                                 | 1,520                  |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                                 | 43,950                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                                 | 43,950                 |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                                 |                        |
| <p>Renovate and modernize existing headquarters building's common areas, restrooms, locker rooms, storage areas, utility rooms, and administrative spaces to meet secret open storage requirements. Construct new Secure Compartmented Information Facility (SCIF) spaces for all levels of classifications. The facility information system includes a protected distribution system and building cabling system constructed. The facility includes Secret Internet Protocol Router (SIPR) data and video teleconferencing.</p> |                                              |                           |                                                                 |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                                 |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62588(PK)<br>NAVSUPPACT NAPLES IT<br>(PANZER KASERNE GERMANY)<br>PANZER KASERNE, GERMANY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>MARFOREUR HQ Modernization and<br>Expansion |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>61070                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>43,950                               |                        |
| <p>Construct an addition to the existing headquarters building that include a Command Operations Center (COC), SCIF spaces, planning rooms, conference rooms, restrooms, common areas, kitchen, and break room. The building addition will be reinforced concrete, reinforced concrete slab and floors, structural steel framing, and standing seam metal roof.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes elevators, uninterrupted power supply, lockers, fire suppression system, raised access flooring, emergency generator, and a diesel fuel tank.</p> <p>Special costs include Post Construction Contract Award Services and temporary facilities that will be constructed or purchased to be used as work around spaces for personnel and command and control functions temporarily displaced during the project work.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                                 |                        |
| <b>11. Requirement:</b> <u>5,650 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Marine Corps Forces Europe and Africa (MARFOREUR/AF) co-exists in a single headquarters compound. Renovate, modernize, and construct an addition to the existing MARFOREUR/AF HQ facility.<br><b>(Current Mission)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                                 |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62588(PK)<br>NAVSUPPACT NAPLES IT<br>(PANZER KASERNE GERMANY)<br>PANZER KASERNE, GERMANY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>MARFOREUR HQ Modernization and<br>Expansion |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>61070                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>43,950                               |                        |
| <b>REQUIREMENT:</b><br>Provide adequate facilities to support command and control operations for MARFOREUR/AF Command Staff, G-2, G-3, G-5 and G-8 personnel. MARFOREUR/AF provides the only continually-assigned Marine component in support of U.S. European Command (USEUCOM) and U.S. Africa Command (USAFRICOM) missions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                                 |                        |
| <b>CURRENT SITUATION:</b><br>The current building was constructed in 1938. Major building components have deteriorated beyond their efficient useful life. Work spaces are inadequate and in poor condition causing overcrowding and cramped work spaces. The facility does not provide the required space for the unit's core mission of Top Secret/Sensitive Compartmented Information planning functions and command and control capability in support of USEUCOM and USAFRICOM's ongoing operations and contingency plans.<br><br>Architectural components such as doors, window frames, floors and ceilings are cracked, loose, missing, broken or not functional. Stairwell railings require repairs in order to satisfy current safety codes. The roof is deteriorated and leaking in several places. Plumbing in restrooms require frequent repairs. Flows through water supply lines and heating lines are restricted due to calcified build up. The electrical system is not reliable with frequent power outages. Distribution panels, feeder cables, light fixtures, outlets, transformers do not meet current code. |                                              |                           |                                                                 |                        |
| <b>IMPACT IF NOT PROVIDED:</b><br>The building will continue to deteriorate to the point of failure. Personnel will continue to have to work in inadequate, antiquated, and overcrowded spaces negatively impacting morale, productivity, safety and the overall mission.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                                 |                        |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 03/2017<br>(B) Date 35% Design or Parametric Cost Estimate complete 08/2017<br>(C) Date design completed 06/2019<br>(D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 15%<br>(F) Type of design contract Design Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed Yes<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                                 |                        |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                                 | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62588(PK)<br>NAVSUPPACT NAPLES IT<br>(PANZER KASERNE GERMANY)<br>PANZER KASERNE, GERMANY                                                                                                                                                                                                                                                                     |                                              |                           | 4. Project Title<br>MARFOREUR HQ Modernization and<br>Expansion |                        |
| 5. Program Element<br>0216496M                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>61070                    | 7. Project Number<br>P001 | 8. Project Cost (\$000)<br>43,950                               |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                       |                                              |                           | \$2,200                                                         |                        |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           | \$1,250                                                         |                        |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           | \$3,450                                                         |                        |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | \$2,721                                                         |                        |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           | \$729                                                           |                        |
| 4. Contract award:                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           | 03/2019                                                         |                        |
| 5. Construction start:                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 08/2019                                                         |                        |
| 6. Construction complete:                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           | 08/2021                                                         |                        |
| B. Equipment associated with this project which will be provided from<br>other appropriations: NONE                                                                                                                                                                                                                                                                                              |                                              |                           |                                                                 |                        |
| JOINT USE CERTIFICATION:<br>The Director Land Use and Military Construction Branch, Installations and<br>Logistics Department, Headquarters Marine Corps certifies that this project<br>has been considered for joint use potential. Unilateral Construction is<br>recommended. Mission requirements, operational considerations, and<br>location are incompatible with use by other components. |                                              |                           |                                                                 |                        |
| Activity POC: Project Development Lead      Phone No: DSN 314-431-2445                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                                 |                        |



|                                                                                                                    |                                              |     |     |              |                                                       |                      |                |                                     |     |                |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----|-----|--------------|-------------------------------------------------------|----------------------|----------------|-------------------------------------|-----|----------------|
| 1. Component<br>NAVY                                                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |     |     |              |                                                       |                      |                | 2. Date<br>05 FEB 2018              |     |                |
| 3. Installation and Location: N61056<br>COMFLEACT OKINAWA JA<br>KADENA AB, JAPAN                                   |                                              |     |     |              | 4. Command<br>Commander Navy<br>Installations Command |                      |                | 5. Area Const<br>Cost Index<br>2.12 |     |                |
| 6. Personnel<br>Strength:<br>A. As Of 09-30-17<br>B. End FY 2022                                                   | PERMANENT                                    |     |     | STUDENTS     |                                                       |                      | SUPPORT        |                                     |     | TOTAL          |
|                                                                                                                    | OFF                                          | ENL | CIV | OFF          | ENL                                                   | CIV                  | OFF            | ENL                                 | CIV |                |
|                                                                                                                    | 57                                           | 467 | 190 | 0            | 0                                                     | 0                    | 100            | 315                                 | 0   | 1129           |
|                                                                                                                    | 55                                           | 368 | 190 | 0            | 0                                                     | 0                    | 100            | 315                                 | 0   | 1028           |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                   |                                              |     |     |              |                                                       |                      |                |                                     |     |                |
| A. TOTAL ACREAGE ..(120 Acres)                                                                                     |                                              |     |     |              |                                                       |                      |                |                                     |     |                |
| B. INVENTORY AS OF 30 SEP 2017 .....                                                                               |                                              |     |     |              |                                                       |                      |                |                                     |     | 703,638        |
| C. AUTHORIZATION NOT YET IN INVENTORY .....                                                                        |                                              |     |     |              |                                                       |                      |                |                                     |     | 0              |
| D. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                   |                                              |     |     |              |                                                       |                      |                |                                     |     | 9,049          |
| E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                               |                                              |     |     |              |                                                       |                      |                |                                     |     | 0              |
| F. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                       |                                              |     |     |              |                                                       |                      |                |                                     |     | 0              |
| G. REMAINING DEFICIENCY .....                                                                                      |                                              |     |     |              |                                                       |                      |                |                                     |     | 15,816         |
| H. <b>GRAND TOTAL</b> .....                                                                                        |                                              |     |     |              |                                                       |                      |                |                                     |     | <b>728,503</b> |
| 8. Projects Requested In This Program                                                                              |                                              |     |     |              |                                                       |                      |                |                                     |     |                |
| <u>Cat</u>                                                                                                         |                                              |     |     |              |                                                       | <u>Design Status</u> |                | <u>Cost</u>                         |     |                |
| <u>Code</u>                                                                                                        | <u>Project Title</u>                         |     |     | <u>Start</u> | <u>Complete</u>                                       | <u>Scope</u>         | <u>(\$000)</u> |                                     |     |                |
| 14142                                                                                                              | Tactical Operations Center                   |     |     | 09/2016      | 06/2018                                               | 2790 m2              | 9,049          |                                     |     |                |
|                                                                                                                    |                                              |     |     |              |                                                       |                      | TOTAL          | 9,049                               |     |                |
| 9. Future Projects:                                                                                                |                                              |     |     |              |                                                       |                      |                |                                     |     |                |
| A. Included In The Following Program:                                                                              |                                              |     |     |              |                                                       |                      |                |                                     |     |                |
| B. Major Planned Next Three Years:                                                                                 |                                              |     |     |              |                                                       |                      |                |                                     |     |                |
| C. R&M Unfunded Requirement (\$000):                                                                               |                                              |     |     |              |                                                       |                      |                |                                     |     | 317,550        |
| 10. Mission or Major Functions:                                                                                    |                                              |     |     |              |                                                       |                      |                |                                     |     |                |
| Kadena Air Base is the hub of airpower in the Pacific, and home to the 18th Wing and a variety of associate units. |                                              |     |     |              |                                                       |                      |                |                                     |     |                |
| 11. Outstanding Pollution and Safety Deficiencies (\$000):                                                         |                                              |     |     |              |                                                       |                      |                |                                     |     |                |
| A. Pollution Abatement(*):                                                                                         |                                              |     |     |              |                                                       |                      |                |                                     |     | 0              |
| B. Occupational Safety and Health(OSH)(#):                                                                         |                                              |     |     |              |                                                       |                      |                |                                     |     | 0              |

|                                                                                  |                                                       |                                     |
|----------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
| 1. Component<br>NAVY                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b>          | 2. Date<br>05 FEB 2018              |
| 3. Installation and Location: N61056<br>COMFLEACT OKINAWA JA<br>KADENA AB, JAPAN | 4. Command<br>Commander Navy<br>Installations Command | 5. Area Const<br>Cost Index<br>2.12 |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61056<br>COMFLEACT OKINAWA JA<br>KADENA AB, JAPAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           | 4. Project Title<br>Tactical Operations Center |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Category Code<br>14142                    | 7. Project Number<br>P512 | 8. Project Cost (\$000)<br>9,049               |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UM                                           | Quantity                  | Unit Cost                                      | Cost(\$000)            |
| TACTICAL OPERATIONS CENTER<br>(30,031SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | m2                                           | 2,790                     |                                                | 8,020                  |
| SCIF SPACE MODIFICATION<br>CC14142 (30,031SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | m2                                           | 2,790                     | 459.57                                         | (1,280)                |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                | (120)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                | (6,460)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LS                                           |                           |                                                | (160)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                | 70                     |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                | (70)                   |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                | 8,090                  |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                | 400                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                | 8,490                  |
| SIOH (6.5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                | 550                    |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                | 9,040                  |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                | 9,040                  |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                | 9,049                  |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                | (3,458)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                |                        |
| <p>Constructs Sensitive Compartmented Information Facilities (SCIF) within a building constructed by the Government of Japan (GOJ) to include a tactical operations center (TOC), operational control, automated data processing in secure area, Intelligence, coalition planning, communications, briefing, secure storage area conference room, mission planning, analysis and a Special Access Program Facilities room.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> |                                              |                           |                                                |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61056<br>COMFLEACT OKINAWA JA<br>KADENA AB, JAPAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           | 4. Project Title<br>Tactical Operations Center |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6. Category Code<br>14142                    | 7. Project Number<br>P512 | 8. Project Cost (\$000)<br>9,049               |                        |
| <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of the project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facilities Criteria (UFC). Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                |                        |
| <b>11. Requirement:</b> <u>2,790 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs SCIF spaces within the Aviation Support Center built by GOJ to provide a new TOC.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>A TOC is required to support U.S. Pacific Command, U.S. Pacific Fleet, and U.S. Seventh Fleet assigned tasks. It shall provide various command, control, communications, computers, intelligence, surveillance and reconnaissance systems to support maritime commanders with the capability to plan, direct, and control the tactical operations of maritime patrol and reconnaissance aircraft, naval expeditionary forces, and other units within their respective areas of responsibility. Additionally, the TOC is a key component of the Navy command and control system that enables U.S. and Japanese Maritime Self Defense Force Anti-Submarine Warfare (ASW) interoperability and ultimately mission execution. This facility will house operations for Patrol and Reconnaissance Wing One Detachment, Kadena; Naval Communications Detachment, Kadena; Mobile Tactical Operations Center, and Naval Oceanography ASW Detachment.<br><b>CURRENT SITUATION:</b><br>The TOC is currently located in an old US Air Force communications building (Building #3678), which was intended to be temporary when the TOC was moved there in 1996 until a new facility could be built. The new facility was delayed until 2016 when the Aviation Support Center was constructed by GOJ as part of the Special Action Committee on Okinawa (SACO) new Navy ramp construction at Kadena Air Base. The TOC cannot move into the new building until the SCIF spaces are built.<br><br>The project is not located in the 100-year flood plain. |                                              |                           |                                                |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|------------------------------------------------|------------------------|------------------|------------------|------------------|--|---------------------|---------------|---------------------|---------------------|----------------------|-----|------|-----|-----------------------------------|-----|------|-------|---------------------------------|-----|------|-----|--------------------|-----|------|-----|
| 3. Installation(SA)& Location/UIC: N61056<br>COMFLEACT OKINAWA JA<br>KADENA AB, JAPAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           | 4. Project Title<br>Tactical Operations Center |                        |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6. Category Code<br>14142                    | 7. Project Number<br>P512 | 8. Project Cost (\$000)<br>9,049               |                        |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |
| <b>IMPACT IF NOT PROVIDED:</b><br>If the SCIF finish work is not completed, the TOC will not be able to relocate to its intended location and the G0J-constructed facility will be unusable for its intended purpose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                |                        |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 09/2016<br>(B) Date 35% Design or Parametric Cost Estimate complete 03/2017<br>(C) Date design completed 06/2018<br>(D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 50%<br>(F) Type of design contract Design Bid Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed No<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$544<br>(B) All other design costs \$272<br>(C) Total \$816<br>(D) Contract \$658<br>(E) In-house \$158<br>4. Contract award: 01/2019<br>5. Construction start: 02/2019<br>6. Construction complete: 07/2019<br>B. Equipment associated with this project which will be provided from other appropriations:<br><table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Collateral Equipment</td> <td>OPN</td> <td>2019</td> <td>750</td> </tr> <tr> <td>Electronic Security Systems (ESS)</td> <td>OPN</td> <td>2019</td> <td>1,750</td> </tr> <tr> <td>Physical Security Element (PSE)</td> <td>OPN</td> <td>2019</td> <td>208</td> </tr> <tr> <td>Telecommunications</td> <td>OPN</td> <td>2019</td> <td>750</td> </tr> </tbody> </table> |                                              |                           |                                                |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Collateral Equipment | OPN | 2019 | 750 | Electronic Security Systems (ESS) | OPN | 2019 | 1,750 | Physical Security Element (PSE) | OPN | 2019 | 208 | Telecommunications | OPN | 2019 | 750 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <u>Procuring</u>                             | <u>FY Approp</u>          |                                                |                        |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                            |                        |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |
| Collateral Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | OPN                                          | 2019                      | 750                                            |                        |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |
| Electronic Security Systems (ESS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OPN                                          | 2019                      | 1,750                                          |                        |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |
| Physical Security Element (PSE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OPN                                          | 2019                      | 208                                            |                        |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |
| Telecommunications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OPN                                          | 2019                      | 750                                            |                        |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |
| <b>JOINT USE CERTIFICATION:</b><br>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                |                        |                  |                  |                  |  |                     |               |                     |                     |                      |     |      |     |                                   |     |      |       |                                 |     |      |     |                    |     |      |     |

|                                                                                       |                                              |                           |                                                |                        |
|---------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N61056<br>COMFLEACT OKINAWA JA<br>KADENA AB, JAPAN |                                              |                           | 4. Project Title<br>Tactical Operations Center |                        |
| 5. Program Element<br>0203176N                                                        | 6. Category Code<br>14142                    | 7. Project Number<br>P512 | 8. Project Cost (\$000)<br>9,049               |                        |
| Activity POC: Project Development Lead      Phone No: DSN 315-634-6756                |                                              |                           |                                                |                        |
|                                                                                       |                                              |                           |                                                |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                       |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                       | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N64482<br>PLANNING /DESIGN<br>UNSPECIFIED, WORLDWIDE LOCATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           | 4. Project Title<br>Planning & Design |                        |
| 5. Program Element<br>0901211N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code                             | 7. Project Number<br>P229 | 8. Project Cost (\$000)<br>185,542    |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                       |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UM                                           | Quantity                  | Unit Cost                             | Cost(\$000)            |
| PLANNING & DESIGN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                       | 185,540                |
| DESIGN COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                       | (185,540)              |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                       | 185,540                |
| CONTINGENCY (0%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                       | 0                      |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                       | 185,540                |
| SIOH (0%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                       | 0                      |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                       | 185,540                |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                       | 185,540                |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                       | 185,542                |
| <b>10. Description of Proposed Construction:</b><br>Funds to be utilized under Title 10 USC 2807 for architectural and engineering services and construction design in connection with military construction projects including regular program projects, exceptional authority construction (including unspecified minor construction) projects, land appraisals, and other projects as directed. Engineering investigations, such as field surveys and foundation exploration, will be undertaken as necessary.                                                                                                                                                                                                                                                              |                                              |                           |                                       |                        |
| <b>11. Requirement:</b><br><b>PROJECT:</b><br>Planning and design funds.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>All projects in a military construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. These costs for architectural and engineering services and construction design are not provided for in the construction project cost estimates except in those where Design/Build contracting method is used.<br><b>CURRENT SITUATION:</b><br>N/A<br><b>IMPACT IF NOT PROVIDED:</b><br>N/A |                                              |                           |                                       |                        |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                       |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                       |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                       | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N64482<br>PLANNING /DESIGN<br>UNSPECIFIED, WORLDWIDE LOCATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           | 4. Project Title<br>Planning & Design |                        |
| 5. Program Element<br>0901211N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Category Code                             | 7. Project Number<br>P229 | 8. Project Cost (\$000)<br>185,542    |                        |
| <p>1. Status:</p> <p>(A) Date design or Parametric Cost Estimate started</p> <p>(B) Date 35% Design or Parametric Cost Estimate complete</p> <p>(C) Date design completed</p> <p>(D) Percent completed as of September 2017</p> <p>(E) Percent completed as of January 2018</p> <p>(F) Type of design contract</p> <p>(G) Parametric Estimate used to develop cost</p> <p>(H) Energy Study/Life Cycle Analysis performed</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design</p> <p>(B) Where design was previously used</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications</p> <p>(B) All other design costs</p> <p>(C) Total</p> <p>(D) Contract</p> <p>(E) In-house</p> <p>4. Contract award:</p> <p>5. Construction start:</p> <p>6. Construction complete:</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION:</p> <p>N/A</p> <p>Activity POC:</p> <p>Phone No:</p> |                                              |                           |                                       |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                            |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                            | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N64481<br>MINOR CONSTRUCTION<br>UNSPECIFIED, WORLDWIDE LOCATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           | 4. Project Title<br>MCON Unspecified Minor<br>Construction |                        |
| 5. Program Element<br>0901211N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Category Code                             | 7. Project Number<br>P219 | 8. Project Cost (\$000)<br>28,579                          |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                            |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | UM                                           | Quantity                  | Unit Cost                                                  | Cost(\$000)            |
| MCON UNSPECIFIED MINOR<br>CONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                            | 28,580                 |
| MCON UNSPECIFIED MINOR<br>CONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                            | (28,580)               |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                            | 28,580                 |
| CONTINGENCY (0%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                            | 0                      |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                            | 28,580                 |
| SIOH (0%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                            | 0                      |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                            | 28,580                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                            | 28,580                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                            | 28,579                 |
| <b>10. Description of Proposed Construction:</b><br>Department of the Navy (DON) unspecified minor military construction (UMC) projects authorized by Title 10 USC 2805 and funded by military construction active force (MCON) appropriations.                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                            |                        |
| <b>11. Requirement:</b><br><b>PROJECT:</b><br>DON UMC projects funded by MCON appropriations.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>A MCON funded UMC project is a military construction project not otherwise authorized by law having an approved total funded project cost within limits identified for such projects in Title 10 USC 2805. A MCON funded UMC project may be carried out only after the end of the 14 day period beginning on the date on which notification is provided in an electronic medium to the appropriate committees of Congress.<br><b>CURRENT SITUATION:</b><br>N/A<br><b>IMPACT IF NOT PROVIDED:</b><br>N/A |                                              |                           |                                                            |                        |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started<br>(B) Date 35% Design or Parametric Cost Estimate complete<br>(C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                            |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                           |                                                            |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------|------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                                            | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N64481<br>MINOR CONSTRUCTION<br>UNSPECIFIED, WORLDWIDE LOCATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                           | 4. Project Title<br>MCON Unspecified Minor<br>Construction |                        |
| 5. Program Element<br>0901211N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code                      | 7. Project Number<br>P219 | 8. Project Cost (\$000)<br>28,579                          |                        |
| (D) Percent completed as of September 2017<br>(E) Percent completed as of January 2018<br>(F) Type of design contract<br>(G) Parametric Estimate used to develop cost<br>(H) Energy Study/Life Cycle Analysis performed<br>2. Basis:<br>(A) Standard or Definitive Design<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications<br>(B) All other design costs<br>(C) Total \$0<br>(D) Contract<br>(E) In-house<br>4. Contract award:<br>5. Construction start:<br>6. Construction complete:<br>B. Equipment associated with this project which will be provided from<br>other appropriations: NONE<br>JOINT USE CERTIFICATION:<br>N/A<br>Activity POC: Phone No: |                                       |                           |                                                            |                        |

## PROJECT SPENDING PLAN

Project: FY19 MCON P284 F-35 Maintenance Hangar, Lemoore, California

PA (\$000): \$112,690

As of January 2018

|            | FUNDING (\$000) |            | OBLIGATIONS (\$000) |            | OUTLAY (\$000) |            |
|------------|-----------------|------------|---------------------|------------|----------------|------------|
| Month-Year | Monthly         | Cumulative | Monthly             | Cumulative | Monthly        | Cumulative |
| Dec-18     | \$112,690       | \$112,690  |                     | \$0        |                |            |
| Jan-19     |                 | \$112,690  |                     | \$0        |                |            |
| Feb-19     |                 | \$112,690  |                     | \$0        |                |            |
| Mar-19     |                 | \$112,690  | \$112,690           | \$112,690  | \$0            | \$0        |
| Apr-19     |                 | \$112,690  |                     | \$112,690  | \$1,443        | \$1,443    |
| May-19     |                 | \$112,690  |                     | \$112,690  | \$1,443        | \$2,885    |
| Jun-19     |                 | \$112,690  |                     | \$112,690  | \$1,900        | \$4,785    |
| Jul-19     |                 | \$112,690  |                     | \$112,690  | \$2,440        | \$7,225    |
| Aug-19     |                 | \$112,690  |                     | \$112,690  | \$3,056        | \$10,280   |
| Sep-19     |                 | \$112,690  |                     | \$112,690  | \$3,733        | \$14,013   |
| Oct-19     |                 | \$112,690  |                     | \$112,690  | \$4,447        | \$18,460   |
| Nov-19     |                 | \$112,690  |                     | \$112,690  | \$5,167        | \$23,628   |
| Dec-19     |                 | \$112,690  |                     | \$112,690  | \$5,856        | \$29,484   |
| Jan-20     |                 | \$112,690  |                     | \$112,690  | \$6,472        | \$35,956   |
| Feb-20     |                 | \$112,690  |                     | \$112,690  | \$6,977        | \$42,933   |
| Mar-20     |                 | \$112,690  |                     | \$112,690  | \$7,335        | \$50,267   |
| Apr-20     |                 | \$112,690  |                     | \$112,690  | \$7,520        | \$57,788   |
| May-20     |                 | \$112,690  |                     | \$112,690  | \$7,520        | \$65,308   |
| Jun-20     |                 | \$112,690  |                     | \$112,690  | \$7,335        | \$72,643   |
| Jul-20     |                 | \$112,690  |                     | \$112,690  | \$6,977        | \$79,619   |
| Aug-20     |                 | \$112,690  |                     | \$112,690  | \$6,472        | \$86,092   |
| Sep-20     |                 | \$112,690  |                     | \$112,690  | \$5,856        | \$91,948   |
| Oct-20     |                 | \$112,690  |                     | \$112,690  | \$5,167        | \$97,115   |
| Nov-20     |                 | \$112,690  |                     | \$112,690  | \$4,447        | \$101,562  |
| Dec-20     |                 | \$112,690  |                     | \$112,690  | \$3,733        | \$105,295  |
| Jan-21     |                 | \$112,690  |                     | \$112,690  | \$3,056        | \$108,351  |
| Feb-21     |                 | \$112,690  |                     | \$112,690  | \$2,440        | \$110,790  |
| Mar-21     |                 | \$112,690  |                     | \$112,690  | \$1,900        | \$112,690  |
| Apr-21     |                 | \$112,690  |                     | \$112,690  | \$0            | \$112,690  |

### Assumptions:

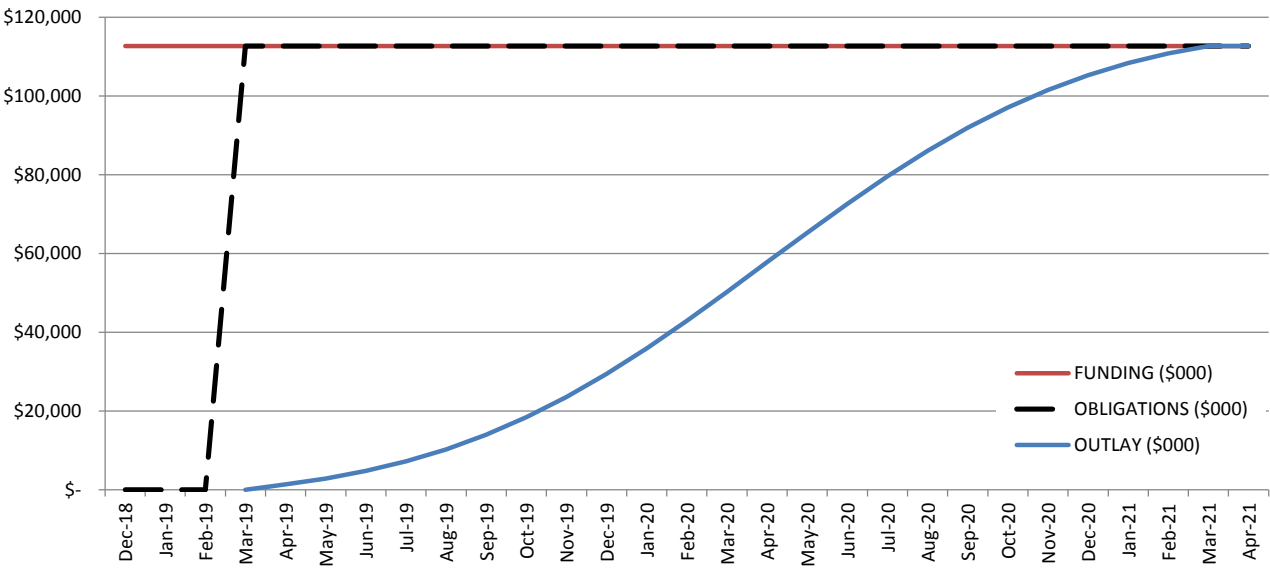
- 1) All Costs shown include SIOH and Contingency
- 2) Project is DBB with award in March 2019

**PROJECT SPENDING PLAN**

Project: FY19 MCON P284 F-35 Maintenance Hangar, Lemoore, California

PA (\$000): \$112,690  
As of January 2018

**P284 F35 Maintenance Hangar; NAS Lemoore CA; Lemoore, California**



## PROJECT SPENDING PLAN

Project: FY19 MCON P440 Pier 8 Replacement, San Diego, California

PA (\$000): \$108,100

As of January 2018

| Month-<br>Year | FUNDING (\$000) |            | OBLIGATIONS (\$000) |            | OUTLAY (\$000) |            |
|----------------|-----------------|------------|---------------------|------------|----------------|------------|
|                | Monthly         | Cumulative | Monthly             | Cumulative | Monthly        | Cumulative |
| Sep-18         |                 | \$0        |                     | \$0        |                |            |
| Oct-18         |                 | \$0        |                     | \$0        |                |            |
| Nov-18         |                 | \$0        |                     | \$0        | \$0            | \$0        |
| Dec-18         | \$108,100       | \$108,100  | \$108,100           | \$108,100  | \$809          | \$809      |
| Jan-19         |                 | \$108,100  |                     | \$108,100  | \$1,009        | \$1,818    |
| Feb-19         |                 | \$108,100  |                     | \$108,100  | \$1,242        | \$3,060    |
| Mar-19         |                 | \$108,100  |                     | \$108,100  | \$1,507        | \$4,568    |
| Apr-19         |                 | \$108,100  |                     | \$108,100  | \$1,804        | \$6,372    |
| May-19         |                 | \$108,100  |                     | \$108,100  | \$2,129        | \$8,501    |
| Jun-19         |                 | \$108,100  |                     | \$108,100  | \$2,479        | \$10,980   |
| Jul-19         |                 | \$108,100  |                     | \$108,100  | \$2,847        | \$13,827   |
| Aug-19         |                 | \$108,100  |                     | \$108,100  | \$3,224        | \$17,051   |
| Sep-19         |                 | \$108,100  |                     | \$108,100  | \$3,601        | \$20,652   |
| Oct-19         |                 | \$108,100  |                     | \$108,100  | \$3,967        | \$24,619   |
| Nov-19         |                 | \$108,100  |                     | \$108,100  | \$4,310        | \$28,929   |
| Dec-19         |                 | \$108,100  |                     | \$108,100  | \$4,618        | \$33,548   |
| Jan-20         |                 | \$108,100  |                     | \$108,100  | \$4,881        | \$38,429   |
| Feb-20         |                 | \$108,100  |                     | \$108,100  | \$5,088        | \$43,516   |
| Mar-20         |                 | \$108,100  |                     | \$108,100  | \$5,230        | \$48,747   |
| Apr-20         |                 | \$108,100  |                     | \$108,100  | \$5,303        | \$54,050   |
| May-20         |                 | \$108,100  |                     | \$108,100  | \$5,303        | \$59,353   |
| Jun-20         |                 | \$108,100  |                     | \$108,100  | \$5,230        | \$64,584   |
| Jul-20         |                 | \$108,100  |                     | \$108,100  | \$5,088        | \$69,671   |
| Aug-20         |                 | \$108,100  |                     | \$108,100  | \$4,881        | \$74,552   |
| Sep-20         |                 | \$108,100  |                     | \$108,100  | \$4,618        | \$79,171   |
| Oct-20         |                 | \$108,100  |                     | \$108,100  | \$4,310        | \$83,481   |
| Nov-20         |                 | \$108,100  |                     | \$108,100  | \$3,967        | \$87,448   |
| Dec-20         |                 | \$108,100  |                     | \$108,100  | \$3,601        | \$91,049   |
| Jan-21         |                 | \$108,100  |                     | \$108,100  | \$3,224        | \$94,273   |
| Feb-21         |                 | \$108,100  |                     | \$108,100  | \$2,847        | \$97,120   |
| Mar-21         |                 | \$108,100  |                     | \$108,100  | \$2,479        | \$99,599   |
| Apr-21         |                 | \$108,100  |                     | \$108,100  | \$2,129        | \$101,728  |
| May-21         |                 | \$108,100  |                     | \$108,100  | \$1,804        | \$103,532  |
| Jun-21         |                 | \$108,100  |                     | \$108,100  | \$1,507        | \$105,040  |
| Jul-21         |                 | \$108,100  |                     | \$108,100  | \$1,242        | \$106,282  |
| Aug-21         |                 | \$108,100  |                     | \$108,100  | \$1,009        | \$107,291  |
| Sep-21         |                 | \$108,100  |                     | \$108,100  | \$809          | \$108,100  |
| Oct-21         |                 | \$108,100  |                     | \$108,100  | \$0            | \$108,100  |

### Assumptions:

- 1) All Costs shown include SIOH and Contingency
- 2) Project is DB with award in December 2018

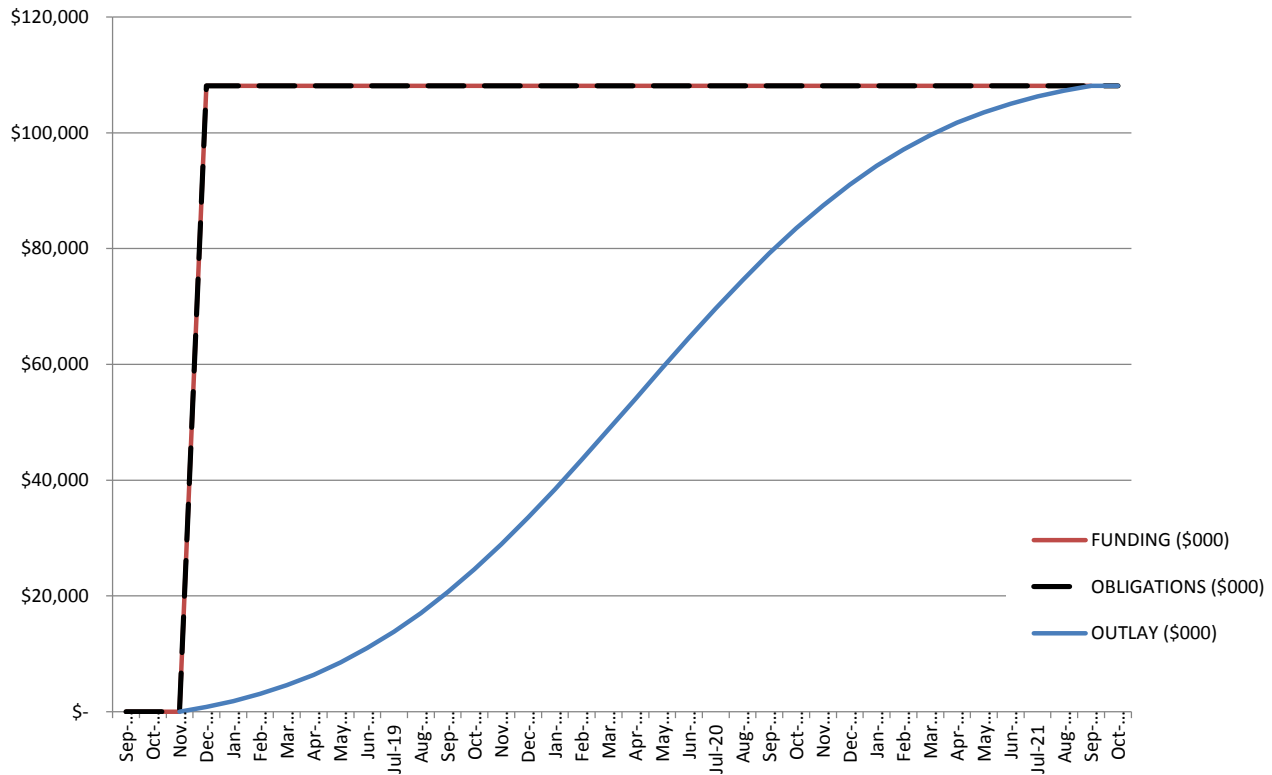
## PROJECT SPENDING PLAN

Project: FY19 MCON P440 Pier 8 Replacement, San Diego, California

PA (\$000): \$108,100

As of January 2018

### P440 Pier 8 Replacement, NAVBASE San Diego, San Diego, California



## PROJECT SPENDING PLAN

Project: FY19 MCON P224; Causeway, Boat Channel & Turning Basin; Seal Beach, California

PA (\$000): \$117,830

As of January 2018

|            | FUNDING (\$000) |            | OBLIGATIONS (\$000) |            | OUTLAY (\$000) |            |
|------------|-----------------|------------|---------------------|------------|----------------|------------|
| Month-Year | Monthly         | Cumulative | Monthly             | Cumulative | Monthly        | Cumulative |
| Mar-19     | \$117,830       | \$117,830  |                     | \$0        |                |            |
| Apr-19     |                 | \$117,830  |                     | \$0        |                |            |
| May-19     |                 | \$117,830  |                     | \$0        |                |            |
| Jun-19     |                 | \$117,830  |                     | \$0        |                |            |
| Jul-19     |                 | \$117,830  | \$117,830           | \$117,830  | \$0            | \$0        |
| Aug-19     |                 | \$117,830  |                     | \$117,830  | \$1,508        | \$1,508    |
| Sep-19     |                 | \$117,830  |                     | \$117,830  | \$1,986        | \$3,495    |
| Oct-19     |                 | \$117,830  |                     | \$117,830  | \$2,551        | \$6,046    |
| Nov-19     |                 | \$117,830  |                     | \$117,830  | \$3,195        | \$9,241    |
| Dec-19     |                 | \$117,830  |                     | \$117,830  | \$3,903        | \$13,144   |
| Jan-20     |                 | \$117,830  |                     | \$117,830  | \$4,650        | \$17,794   |
| Feb-20     |                 | \$117,830  |                     | \$117,830  | \$5,403        | \$23,197   |
| Mar-20     |                 | \$117,830  |                     | \$117,830  | \$6,123        | \$29,320   |
| Apr-20     |                 | \$117,830  |                     | \$117,830  | \$6,767        | \$36,087   |
| May-20     |                 | \$117,830  |                     | \$117,830  | \$7,295        | \$43,382   |
| Jun-20     |                 | \$117,830  |                     | \$117,830  | \$7,669        | \$51,052   |
| Jul-20     |                 | \$117,830  |                     | \$117,830  | \$7,863        | \$58,915   |
| Aug-20     |                 | \$117,830  |                     | \$117,830  | \$7,863        | \$66,778   |
| Sep-20     |                 | \$117,830  |                     | \$117,830  | \$7,669        | \$74,448   |
| Oct-20     |                 | \$117,830  |                     | \$117,830  | \$7,295        | \$81,743   |
| Nov-20     |                 | \$117,830  |                     | \$117,830  | \$6,767        | \$88,510   |
| Dec-20     |                 | \$117,830  |                     | \$117,830  | \$6,123        | \$94,633   |
| Jan-21     |                 | \$117,830  |                     | \$117,830  | \$5,403        | \$100,036  |
| Feb-21     |                 | \$117,830  |                     | \$117,830  | \$4,650        | \$104,686  |
| Mar-21     |                 | \$117,830  |                     | \$117,830  | \$3,903        | \$108,589  |
| Apr-21     |                 | \$117,830  |                     | \$117,830  | \$3,195        | \$111,784  |
| May-21     |                 | \$117,830  |                     | \$117,830  | \$2,551        | \$114,335  |
| Jun-21     |                 | \$117,830  |                     | \$117,830  | \$1,986        | \$116,322  |
| Jul-21     |                 | \$117,830  |                     | \$117,830  | \$1,508        | \$117,830  |

### Assumptions:

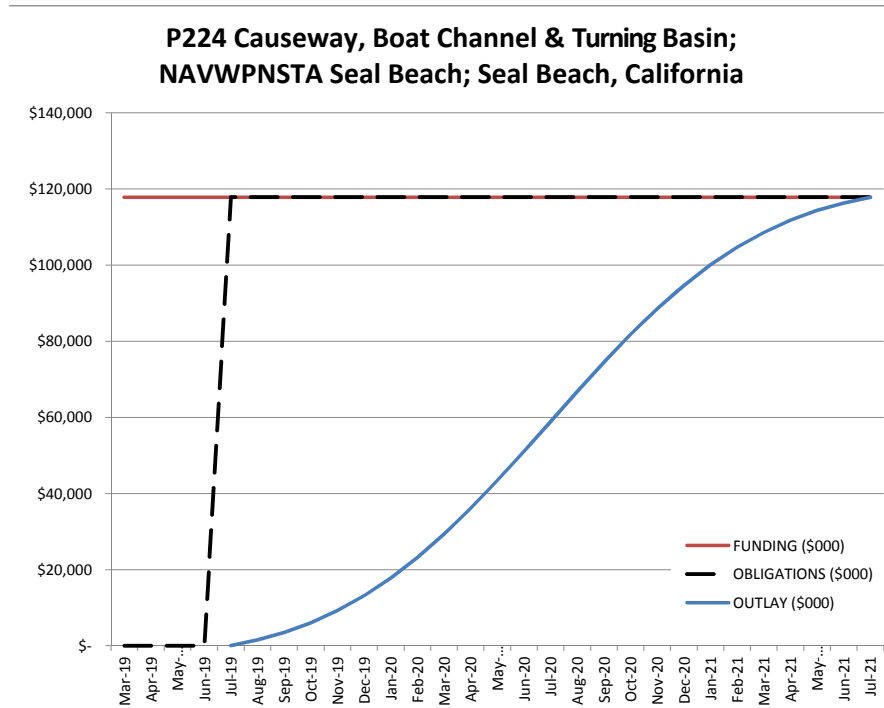
- 1) All Costs shown include SIOH and Contingency
- 2) Project is Design Bid Build with award in July 2019
- 3) Major Elements of Work are Breakwater/Causeway/Mole/Channel, Dredging, and Utilities
- 4) Breakwater/Causeway/Mole/Channel - 24-Month Duration
- 5) Dredging - 24-Month Duration
- 6) Dredge work overlaps with Pier and Utilities work.
- 7) Utilities - 24-Month Duration

## PROJECT SPENDING PLAN

Project: FY19 MCON P224; Causeway, Boat Channel & Turning Basin; NAVWPNSTA Seal Beach; Seal Beach, California

PA (\$000): \$117,830

As of January 2018





## PROJECT SPENDING PLAN

Project: FY19 MCON P001; Master Time Clocks & Operations Facility; Naval Observatory, District of Columbia

PA (\$000): \$115,600

As of January 2018

|            | Funding (\$000) |            | Obligations (\$000) |            | Outlays (\$000) |            |
|------------|-----------------|------------|---------------------|------------|-----------------|------------|
| Month-Year | Monthly         | Cumulative | Monthly             | Cumulative | Monthly         | Cumulative |
| Dec-18     | \$115,600       | \$115,600  | \$0                 | \$0        |                 |            |
| Aug-19     | \$0             | \$115,600  | \$115,600           | \$115,600  | \$1,000         | \$1,000    |
| Sep-19     | \$0             | \$115,600  | \$0                 | \$115,600  | \$500           | \$1,500    |
| Oct-19     | \$0             | \$115,600  | \$0                 | \$115,600  | \$500           | \$2,000    |
| Nov-19     | \$0             | \$115,600  | \$0                 | \$115,600  | \$750           | \$2,750    |
| Dec-19     | \$0             | \$115,600  | \$0                 | \$115,600  | \$750           | \$3,500    |
| Jan-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,000         | \$4,500    |
| Feb-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,250         | \$5,750    |
| Mar-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,250         | \$7,000    |
| Apr-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,500         | \$8,500    |
| May-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,500         | \$10,000   |
| Jun-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,750         | \$11,750   |
| Jul-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,750         | \$13,500   |
| Aug-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,000         | \$15,500   |
| Sep-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,000         | \$17,500   |
| Oct-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,000         | \$19,500   |
| Nov-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,250         | \$21,750   |
| Dec-20     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,250         | \$24,000   |
| Jan-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,250         | \$26,250   |
| Feb-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,500         | \$28,750   |
| Mar-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,750         | \$31,500   |
| Apr-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,750         | \$34,250   |
| May-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,750         | \$37,000   |
| Jun-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,000         | \$40,000   |
| Jul-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,000         | \$43,000   |
| Aug-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,250         | \$46,250   |
| Sep-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,250         | \$49,500   |
| Oct-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,500         | \$53,000   |
| Nov-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,500         | \$56,500   |
| Dec-21     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,750         | \$60,250   |
| Jan-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,750         | \$64,000   |
| Feb-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,500         | \$67,500   |
| Mar-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,500         | \$71,000   |
| Apr-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,500         | \$74,500   |
| May-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,250         | \$77,750   |
| Jun-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,250         | \$81,000   |
| Jul-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$3,000         | \$84,000   |
| Aug-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,750         | \$86,750   |
| Sep-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,500         | \$89,250   |
| Oct-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,500         | \$91,750   |
| Nov-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,250         | \$94,000   |
| Dec-22     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,250         | \$96,250   |
| Jan-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,000         | \$98,250   |
| Feb-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$2,000         | \$100,250  |
| Mar-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,750         | \$102,000  |
| Apr-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,750         | \$103,750  |
| May-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,500         | \$105,250  |
| Jun-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,500         | \$106,750  |
| Jul-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,500         | \$108,250  |
| Aug-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,250         | \$109,500  |
| Sep-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,000         | \$110,500  |
| Oct-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,000         | \$111,500  |
| Nov-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,000         | \$112,500  |
| Dec-23     | \$0             | \$115,600  | \$0                 | \$115,600  | \$1,000         | \$113,500  |
| Jan-24     | \$0             | \$115,600  | \$0                 | \$115,600  | \$750           | \$114,250  |
| Feb-24     | \$0             | \$115,600  | \$0                 | \$115,600  | \$500           | \$114,750  |
| Mar-24     | \$0             | \$115,600  | \$0                 | \$115,600  | \$500           | \$115,250  |
| Apr-24     | \$0             | \$115,600  | \$0                 | \$115,600  | \$350           | \$115,600  |

## PROJECT SPENDING PLAN

Project: FY19 MCON P001; Master Time Clocks & Operations Facility; Naval Observatory, District of Columbia

PA (\$000): \$115,600

As of January 2018

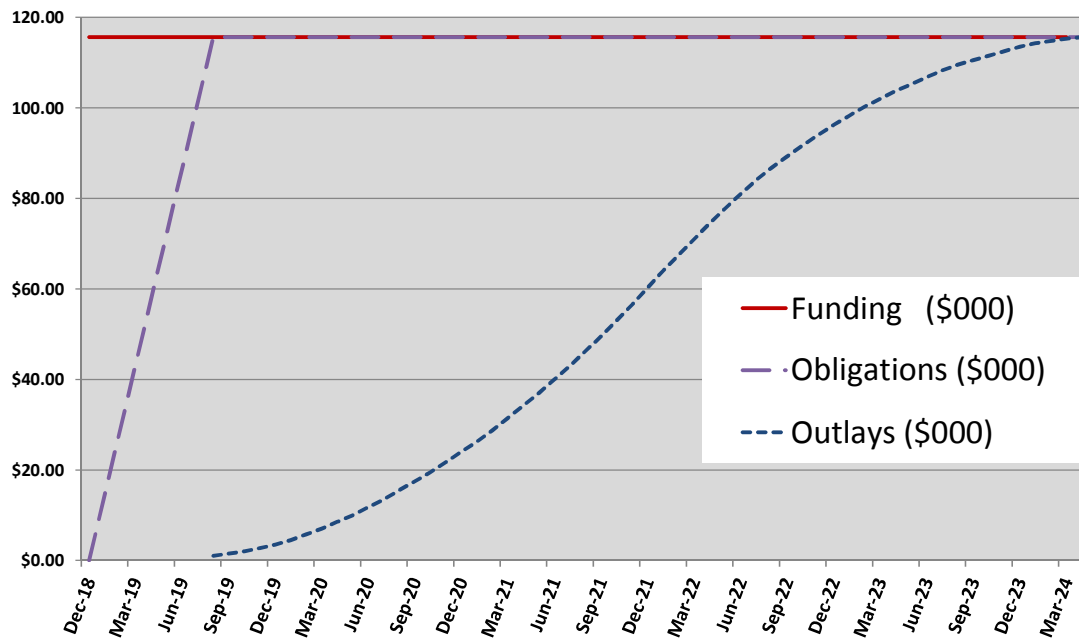
Note 1: -Assumes appropriation is enacted no later than mid-December of the program year.

Note 2: -Assumes project is fully funded and funds are available to the Contracting Officer for obligation no earlier than July 2019 in order to award the construction contract in August 2019.

Note 3: Assumes that the following critical elements are performed in a timely manner;

- Relocation of the clocks by the government (Times Services)
- Secret Service review and approval of security measures for construction activities

### P001 Master Time Clocks & Operations Facility; Naval Support Activity Wash; Naval Observatory, District of Columbia



## PROJECT SPENDING PLAN

Project: FY19 MCON P310; Dry Dock #1 Superflood Basin; Kittery, Maine

PA (\$000): \$109,960

As of January 2018

|            | FUNDING (\$000) |            | OBLIGATIONS (\$000) |            | OUTLAY (\$000) |            |
|------------|-----------------|------------|---------------------|------------|----------------|------------|
| Month-Year | Monthly         | Cumulative | Monthly             | Cumulative | Monthly        | Cumulative |
| Dec-18     | \$109,960       | \$109,960  |                     |            |                |            |
| Jan-19     |                 | \$109,960  |                     |            |                |            |
| Feb-19     |                 | \$109,960  |                     |            |                |            |
| Mar-19     |                 | \$109,960  |                     |            |                |            |
| Apr-19     |                 | \$109,960  |                     | \$0        |                |            |
| May-19     |                 | \$109,960  |                     | \$0        | \$0            | \$0        |
| Jun-19     |                 | \$109,960  | \$109,960           | \$109,960  | \$1,271        | \$1,271    |
| Jul-19     |                 | \$109,960  |                     | \$109,960  | \$2,611        | \$3,882    |
| Aug-19     |                 | \$109,960  |                     | \$109,960  | \$3,669        | \$7,551    |
| Sep-19     |                 | \$109,960  |                     | \$109,960  | \$4,455        | \$12,006   |
| Oct-19     |                 | \$109,960  |                     | \$109,960  | \$5,055        | \$17,062   |
| Nov-19     |                 | \$109,960  |                     | \$109,960  | \$5,522        | \$22,584   |
| Dec-19     |                 | \$109,960  |                     | \$109,960  | \$6,645        | \$29,228   |
| Jan-20     |                 | \$109,960  |                     | \$109,960  | \$7,210        | \$36,439   |
| Feb-20     |                 | \$109,960  |                     | \$109,960  | \$7,560        | \$43,999   |
| Mar-20     |                 | \$109,960  |                     | \$109,960  | \$7,641        | \$51,639   |
| Apr-20     |                 | \$109,960  |                     | \$109,960  | \$7,381        | \$59,020   |
| May-20     |                 | \$109,960  |                     | \$109,960  | \$6,749        | \$65,769   |
| Jun-20     |                 | \$109,960  |                     | \$109,960  | \$5,821        | \$71,591   |
| Jul-20     |                 | \$109,960  |                     | \$109,960  | \$4,182        | \$75,773   |
| Aug-20     |                 | \$109,960  |                     | \$109,960  | \$3,484        | \$79,257   |
| Sep-20     |                 | \$109,960  |                     | \$109,960  | \$2,869        | \$82,126   |
| Oct-20     |                 | \$109,960  |                     | \$109,960  | \$2,041        | \$84,168   |
| Nov-20     |                 | \$109,960  |                     | \$109,960  | \$1,915        | \$86,082   |
| Dec-20     |                 | \$109,960  |                     | \$109,960  | \$2,499        | \$88,581   |
| Jan-21     |                 | \$109,960  |                     | \$109,960  | \$3,020        | \$91,601   |
| Feb-21     |                 | \$109,960  |                     | \$109,960  | \$3,632        | \$95,233   |
| Mar-21     |                 | \$109,960  |                     | \$109,960  | \$3,994        | \$99,227   |
| Apr-21     |                 | \$109,960  |                     | \$109,960  | \$3,806        | \$103,033  |
| May-21     |                 | \$109,960  |                     | \$109,960  | \$3,075        | \$106,108  |
| Jun-21     |                 | \$109,960  |                     | \$109,960  | \$2,113        | \$108,221  |
| Jul-21     |                 | \$109,960  |                     | \$109,960  | \$1,273        | \$109,494  |
| Aug-21     |                 | \$109,960  |                     | \$109,960  | \$466          | \$109,960  |

### Assumptions:

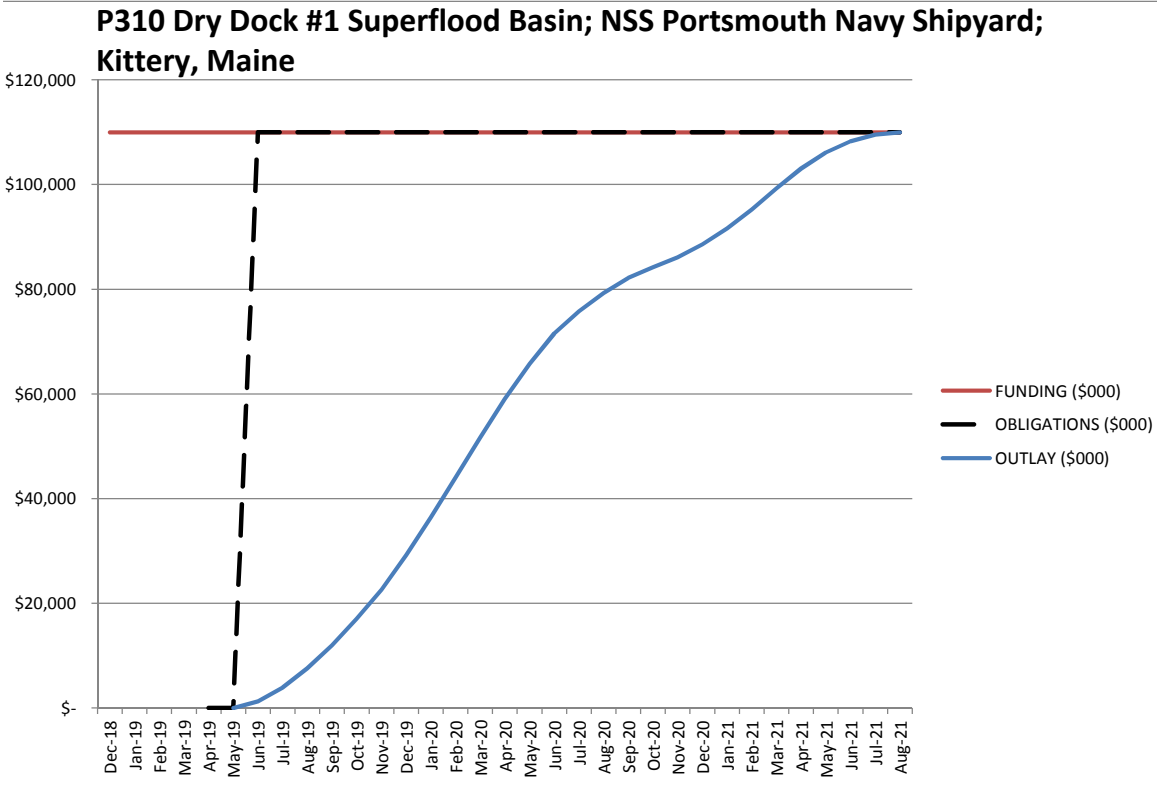
- 1) All Costs shown include SIOH and Contingency
- 2) Project is DBB with award in June 2019

## PROJECT SPENDING PLAN

Project: FY19 MCON P310; Dry Dock #1 Superflood Basin; Kittery, Maine

PA (\$000): \$109,960

As of January 2018



## PROJECT SPENDING PLAN

Project: FY19 MCON P199 Aircraft Maintenance Hangar; Cherry Point MCAS, North Carolina

PA (\$000): \$133,970

As of January 2018

|            | Funding (\$000) |             | Obligation (\$000) |             | Outlays (\$000) |             |
|------------|-----------------|-------------|--------------------|-------------|-----------------|-------------|
| Month-Year | Monthly         | Cummulative | Monthly            | Cummulative | Monthly         | Cummulative |
| Jan-19     | \$133,970       | \$133,970   | \$0                | \$0         | \$0             | \$0         |
| Feb-19     | \$0             | \$133,970   | \$0                | \$0         | \$0             | \$0         |
| Mar-19     | \$0             | \$133,970   | \$0                | \$0         | \$0             | \$0         |
| Apr-19     | \$0             | \$133,970   | \$0                | \$0         | \$0             | \$0         |
| May-19     | \$0             | \$133,970   | \$0                | \$0         | \$0             | \$0         |
| Jun-19     | \$0             | \$133,970   | \$133,970          | \$133,970   | \$804           | \$804       |
| Jul-19     | \$0             | \$133,970   | \$0                | \$133,970   | \$938           | \$1,742     |
| Aug-19     | \$0             | \$133,970   | \$0                | \$133,970   | \$938           | \$2,679     |
| Sep-19     | \$0             | \$133,970   | \$0                | \$133,970   | \$938           | \$3,617     |
| Oct-19     | \$0             | \$133,970   | \$0                | \$133,970   | \$2,545         | \$6,163     |
| Nov-19     | \$0             | \$133,970   | \$0                | \$133,970   | \$3,483         | \$9,646     |
| Dec-19     | \$0             | \$133,970   | \$0                | \$133,970   | \$3,483         | \$13,129    |
| Jan-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$3,483         | \$16,612    |
| Feb-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$4,421         | \$21,033    |
| Mar-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$6,029         | \$27,062    |
| Apr-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$6,163         | \$33,225    |
| May-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$6,163         | \$39,387    |
| Jun-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$6,163         | \$45,550    |
| Jul-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$6,163         | \$51,712    |
| Aug-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$6,163         | \$57,875    |
| Sep-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$6,163         | \$64,038    |
| Oct-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$6,163         | \$70,200    |
| Nov-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$6,163         | \$76,363    |
| Dec-20     | \$0             | \$133,970   | \$0                | \$133,970   | \$6,029         | \$82,392    |
| Jan-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$4,689         | \$87,081    |
| Feb-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$4,689         | \$91,769    |
| Mar-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$4,555         | \$96,324    |
| Apr-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$4,555         | \$100,879   |
| May-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$4,555         | \$105,434   |
| Jun-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$4,555         | \$109,989   |
| Jul-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$3,885         | \$113,875   |
| Aug-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$2,813         | \$116,688   |
| Sep-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$2,813         | \$119,501   |
| Oct-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$2,813         | \$122,315   |
| Nov-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$2,813         | \$125,128   |
| Dec-21     | \$0             | \$133,970   | \$0                | \$133,970   | \$2,813         | \$127,941   |
| Jan-22     | \$0             | \$133,970   | \$0                | \$133,970   | \$2,277         | \$130,219   |
| Feb-22     | \$0             | \$133,970   | \$0                | \$133,970   | \$938           | \$131,157   |
| Mar-22     | \$0             | \$133,970   | \$0                | \$133,970   | \$938           | \$132,094   |
| Apr-22     | \$0             | \$133,970   | \$0                | \$133,970   | \$938           | \$133,032   |
| May-22     | \$0             | \$133,970   | \$0                | \$133,970   | \$938           | \$133,970   |
| Jun-22     | \$0             | \$133,970   | \$0                | \$133,970   |                 |             |

## PROJECT SPENDING PLAN

Project: FY19 MCON P199 Aircraft Maintenance Hangar; Cherry Point MCAS, North Carolina

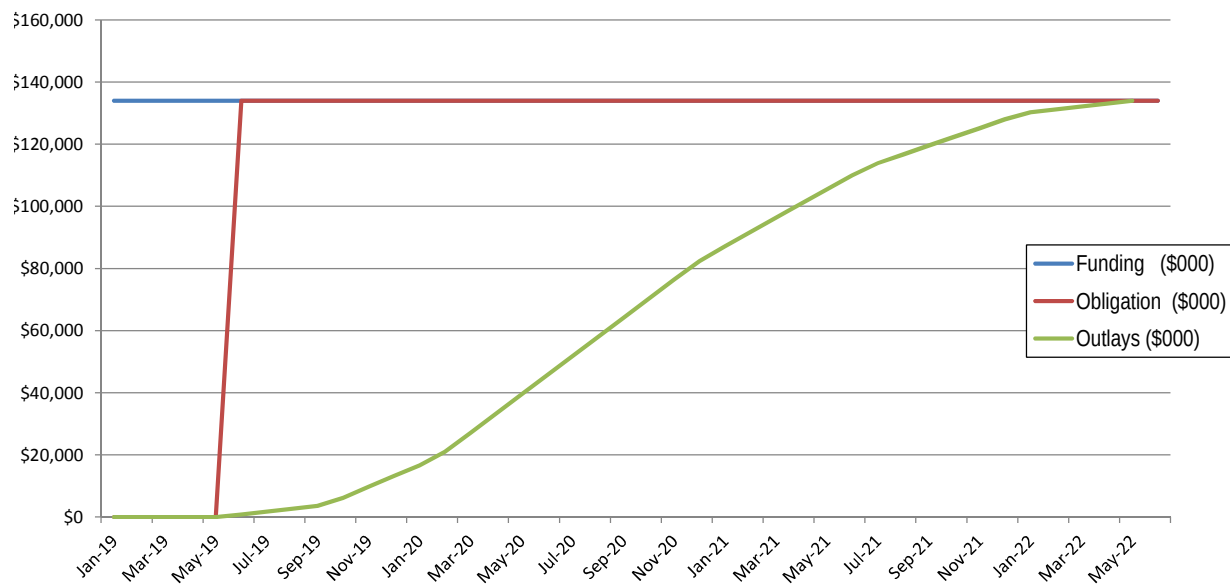
PA (\$000): \$133,970

As of January 2018

Our assumptions are:

- 1) Assumes appropriation is enacted no later than mid-December of the program year.
- 2) Assumes funds are available no later than February of the program year to accommodate the funding and acquisition timelines.

### P199 Aircraft Maintenance Hangar; MCAS Cherry Point NC; Cherry Point MCAS; North Carolina



**PROJECT SPENDING PLAN**

Project: FY19 MCON P235; Flightline Utility Modernization; Cherry Point MCAS, North Carolina

PA (\$000): \$106,860

As of January 2018

|            | Funding (\$000) |             | Obligation (\$000) |             | Outlays (\$000) |             |
|------------|-----------------|-------------|--------------------|-------------|-----------------|-------------|
| Month-Year | Monthly         | Cummulative | Monthly            | Cummulative | Monthly         | Cummulative |
| Jan-19     | \$106,860       | \$106,860   | \$0                | \$0         | \$0             | \$0         |
| Feb-19     | \$0             | \$106,860   | \$0                | \$0         | \$0             | \$0         |
| Mar-19     | \$0             | \$106,860   | \$0                | \$0         | \$0             | \$0         |
| Apr-19     | \$0             | \$106,860   | \$0                | \$0         | \$0             | \$0         |
| May-19     | \$0             | \$106,860   | \$0                | \$0         | \$0             | \$0         |
| Jun-19     | \$0             | \$106,860   | \$106,860          | \$106,860   | \$641.160       | \$641       |
| Jul-19     | \$0             | \$106,860   | \$0                | \$106,860   | \$748.020       | \$1,389     |
| Aug-19     | \$0             | \$106,860   | \$0                | \$106,860   | \$748.020       | \$2,137     |
| Sep-19     | \$0             | \$106,860   | \$0                | \$106,860   | \$748.020       | \$2,885     |
| Oct-19     | \$0             | \$106,860   | \$0                | \$106,860   | \$2,030.340     | \$4,916     |
| Nov-19     | \$0             | \$106,860   | \$0                | \$106,860   | \$2,778.360     | \$7,694     |
| Dec-19     | \$0             | \$106,860   | \$0                | \$106,860   | \$2,778.360     | \$10,472    |
| Jan-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$2,778.360     | \$13,251    |
| Feb-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$3,526.380     | \$16,777    |
| Mar-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$4,808.700     | \$21,586    |
| Apr-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$4,915.560     | \$26,501    |
| May-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$4,915.560     | \$31,417    |
| Jun-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$4,915.560     | \$36,332    |
| Jul-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$4,915.560     | \$41,248    |
| Aug-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$4,915.560     | \$46,164    |
| Sep-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$4,915.560     | \$51,079    |
| Oct-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$4,915.560     | \$55,995    |
| Nov-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$4,915.560     | \$60,910    |
| Dec-20     | \$0             | \$106,860   | \$0                | \$106,860   | \$4,808.700     | \$65,719    |
| Jan-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$3,740.100     | \$69,459    |
| Feb-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$3,740.100     | \$73,199    |
| Mar-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$3,633.240     | \$76,832    |
| Apr-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$3,633.240     | \$80,466    |
| May-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$3,633.240     | \$84,099    |
| Jun-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$3,633.240     | \$87,732    |
| Jul-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$3,098.940     | \$90,831    |
| Aug-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$2,244.060     | \$93,075    |
| Sep-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$2,244.060     | \$95,319    |
| Oct-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$2,244.060     | \$97,563    |
| Nov-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$2,244.060     | \$99,807    |
| Dec-21     | \$0             | \$106,860   | \$0                | \$106,860   | \$2,244.060     | \$102,051   |
| Jan-22     | \$0             | \$106,860   | \$0                | \$106,860   | \$1,816.620     | \$103,868   |
| Feb-22     | \$0             | \$106,860   | \$0                | \$106,860   | \$748.020       | \$104,616   |
| Mar-22     | \$0             | \$106,860   | \$0                | \$106,860   | \$748.020       | \$105,364   |
| Apr-22     | \$0             | \$106,860   | \$0                | \$106,860   | \$748.020       | \$106,112   |
| May-22     | \$0             | \$106,860   | \$0                | \$106,860   | \$748.020       | \$106,860   |
| Jun-22     | \$0             | \$106,860   | \$0                | \$106,860   |                 |             |

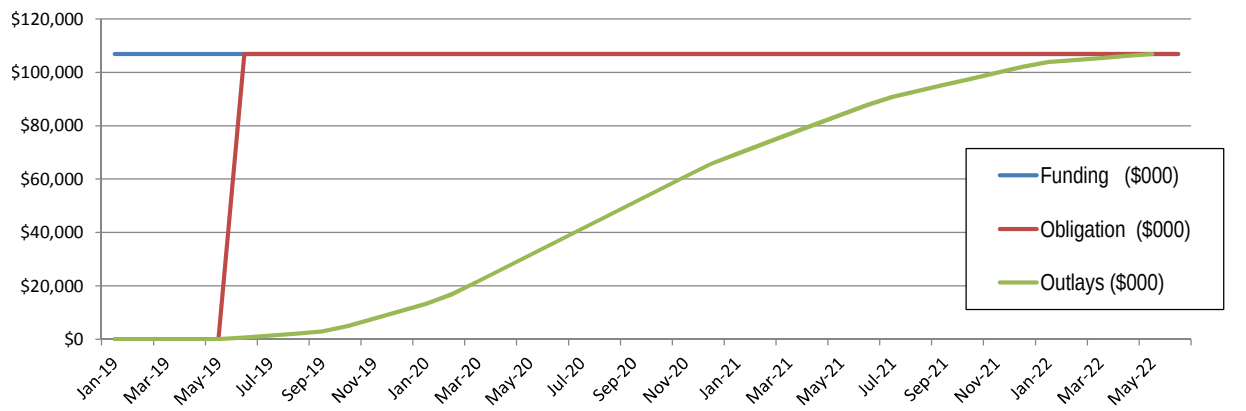
## PROJECT SPENDING PLAN

Project: FY19 MCON P235; Flightline Utility Modernization; Cherry Point MCAS, North Carolina

PA (\$000): \$106,860

As of January 2018

- 1) Assumes appropriation is enacted no later than mid-January of the program year.
- 2) Assumes funds are available no later than February of the program year to accommodate the funding and acquisition timelines.





## PROJECT SPENDING PLAN

Project: FY19 MCON P822 D5 Missile Motor Receipt/Storage Facility; Hill AFB, Utah

PA (\$000): \$105,520

As of January 2018

| Month-Year | FUNDING (\$000) |            | OBLIGATIONS (\$000) |            | OUTLAY (\$000) |            |
|------------|-----------------|------------|---------------------|------------|----------------|------------|
|            | Monthly         | Cumulative | Monthly             | Cumulative | Monthly        | Cumulative |
| Dec-18     | \$105,520       | \$105,520  |                     | \$0        |                |            |
| Jan-19     |                 | \$105,520  |                     | \$0        |                |            |
| Feb-19     |                 | \$105,520  |                     | \$0        |                |            |
| Mar-19     |                 | \$105,520  |                     | \$0        |                |            |
| Apr-19     |                 | \$105,520  | \$105,520           | \$105,520  | \$0            | \$0        |
| May-19     |                 | \$105,520  |                     | \$105,520  | \$1,233        | \$1,233    |
| Jun-19     |                 | \$105,520  |                     | \$105,520  | \$1,592        | \$2,825    |
| Jul-19     |                 | \$105,520  |                     | \$105,520  | \$2,013        | \$4,838    |
| Aug-19     |                 | \$105,520  |                     | \$105,520  | \$2,492        | \$7,330    |
| Sep-19     |                 | \$105,520  |                     | \$105,520  | \$3,019        | \$10,348   |
| Oct-19     |                 | \$105,520  |                     | \$105,520  | \$3,580        | \$13,929   |
| Nov-19     |                 | \$105,520  |                     | \$105,520  | \$4,157        | \$18,085   |
| Dec-19     |                 | \$105,520  |                     | \$105,520  | \$4,724        | \$22,809   |
| Jan-20     |                 | \$105,520  |                     | \$105,520  | \$5,255        | \$28,064   |
| Feb-20     |                 | \$105,520  |                     | \$105,520  | \$5,723        | \$33,787   |
| Mar-20     |                 | \$105,520  |                     | \$105,520  | \$6,101        | \$39,889   |
| Apr-20     |                 | \$105,520  |                     | \$105,520  | \$6,367        | \$46,256   |
| May-20     |                 | \$105,520  |                     | \$105,520  | \$6,504        | \$52,760   |
| Jun-20     |                 | \$105,520  |                     | \$105,520  | \$6,504        | \$59,264   |
| Jul-20     |                 | \$105,520  |                     | \$105,520  | \$6,367        | \$65,631   |
| Aug-20     |                 | \$105,520  |                     | \$105,520  | \$6,101        | \$71,733   |
| Sep-20     |                 | \$105,520  |                     | \$105,520  | \$5,723        | \$77,456   |
| Oct-20     |                 | \$105,520  |                     | \$105,520  | \$5,255        | \$82,711   |
| Nov-20     |                 | \$105,520  |                     | \$105,520  | \$4,724        | \$87,435   |
| Dec-20     |                 | \$105,520  |                     | \$105,520  | \$4,157        | \$91,591   |
| Jan-21     |                 | \$105,520  |                     | \$105,520  | \$3,580        | \$95,172   |
| Feb-21     |                 | \$105,520  |                     | \$105,520  | \$3,019        | \$98,190   |
| Mar-21     |                 | \$105,520  |                     | \$105,520  | \$2,492        | \$100,682  |
| Apr-21     |                 | \$105,520  |                     | \$105,520  | \$2,013        | \$102,695  |
| May-21     |                 | \$105,520  |                     | \$105,520  | \$1,592        | \$104,287  |
| Jun-21     |                 | \$105,520  |                     | \$105,520  | \$1,233        | \$105,520  |

### Assumptions:

- 1) All Costs shown include SIOH and Contingency
- 2) Project is DBB with award in April 2019
- 3) Estimated construction completion date is based on one construction contract award.
- 4) U.S. Army Corp of Engineers is considering awarding the construction in two contracts vice one (one contract for the magazines and one contract for the motor transfer facility and rail line). Their draft schedule reflects one construction contract award.
5. Outlay curve would change if the project is awarded with two contracts that run in parallel.

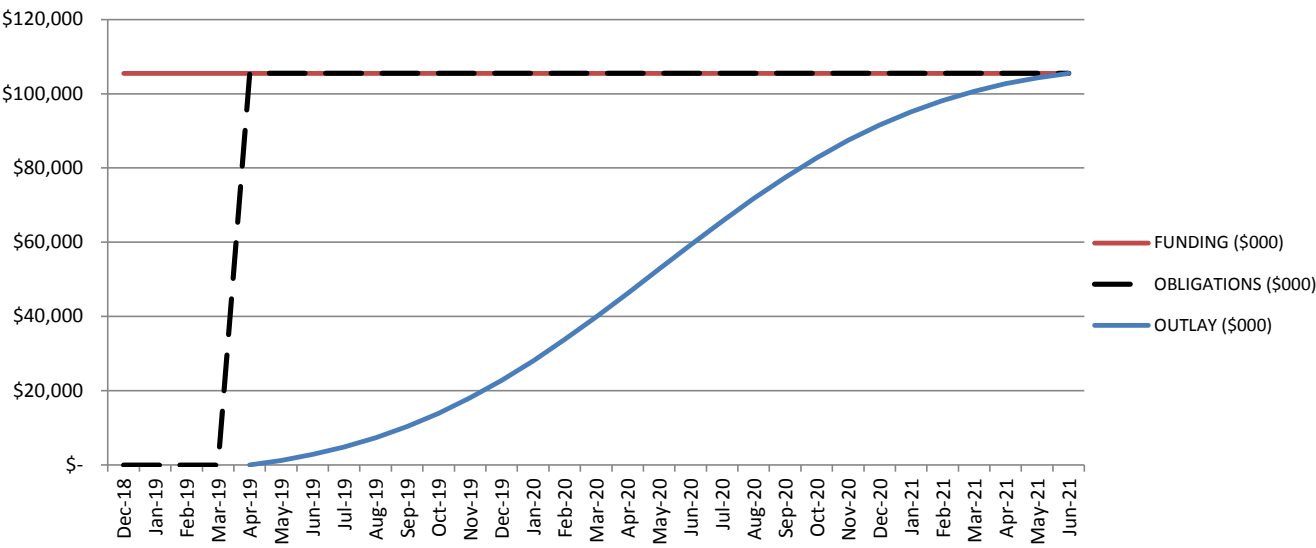
**PROJECT SPENDING PLAN**

Project: FY19 MCON P822 D5 Missile Motor Reciept/Storage Facility; Hill AFB, Utah

PA (\$000): \$105,520

As of January 2018

**P-822 D5 Missile Motor Reciept/Storage Facility; Hill AFB, Utah**



## PROJECT SPENDING PLAN

**PROJECT:** FY19 MCON P735; Machine Gun Range; Joint Region Marianas, Guam

**PA (\$000):** \$141,287

**As of :** January 2018

|            | FUNDING (\$000)<br>(note 1) |            | OBLIGATIONS (\$000)<br>(note 2) |            | OUTLAYS (\$000)<br>(note 3) |            |
|------------|-----------------------------|------------|---------------------------------|------------|-----------------------------|------------|
| Month-Year | Monthly                     | Cumulative | Monthly                         | Cumulative | Monthly                     | Cumulative |
| Dec-18     | \$ 141,287                  | \$ 141,287 | \$ -                            | \$ -       | \$ -                        |            |
| Mar-19     | \$ -                        | \$ 141,287 | \$ 141,287                      | \$ 141,287 | \$ -                        | \$ -       |
| Apr-19     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 590                      | \$ 590     |
| May-19     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 675                      | \$ 1,265   |
| Jun-19     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 767                      | \$ 2,032   |
| Jul-19     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 868                      | \$ 2,900   |
| Aug-19     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 977                      | \$ 3,877   |
| Sep-19     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,096                    | \$ 4,973   |
| Oct-19     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,222                    | \$ 6,195   |
| Nov-19     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,357                    | \$ 7,552   |
| Dec-19     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,499                    | \$ 9,051   |
| Jan-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,649                    | \$ 10,700  |
| Feb-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,805                    | \$ 12,505  |
| Mar-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,966                    | \$ 14,471  |
| Apr-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,132                    | \$ 16,603  |
| May-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,300                    | \$ 18,903  |
| Jun-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,470                    | \$ 21,373  |
| Jul-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,640                    | \$ 24,013  |
| Aug-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,808                    | \$ 26,822  |
| Sep-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,973                    | \$ 29,795  |
| Oct-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,133                    | \$ 32,928  |
| Nov-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,286                    | \$ 36,214  |
| Dec-20     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,429                    | \$ 39,643  |
| Jan-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,562                    | \$ 43,205  |
| Feb-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,683                    | \$ 46,888  |
| Mar-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,789                    | \$ 50,677  |
| Apr-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,880                    | \$ 54,558  |
| May-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,955                    | \$ 58,512  |
| Jun-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 4,012                    | \$ 62,524  |
| Jul-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 4,050                    | \$ 66,574  |
| Aug-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 4,069                    | \$ 70,644  |
| Sep-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 4,069                    | \$ 74,713  |
| Oct-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 4,050                    | \$ 78,763  |

## PROJECT SPENDING PLAN

**PROJECT:** FY19 MCON P735; Machine Gun Range; Joint Region Marianas, Guam

**PA (\$000):** \$141,287

**As of :** January 2018

|            | FUNDING (\$000)<br>(note 1) |            | OBLIGATIONS (\$000)<br>(note 2) |            | OUTLAYS (\$000)<br>(note 3) |            |
|------------|-----------------------------|------------|---------------------------------|------------|-----------------------------|------------|
| Month-Year | Monthly                     | Cumulative | Monthly                         | Cumulative | Monthly                     | Cumulative |
| Nov-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 4,012                    | \$ 82,775  |
| Dec-21     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,955                    | \$ 86,729  |
| Jan-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,880                    | \$ 90,610  |
| Feb-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,789                    | \$ 94,399  |
| Mar-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,683                    | \$ 98,082  |
| Apr-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,562                    | \$ 101,644 |
| May-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,429                    | \$ 105,073 |
| Jun-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,286                    | \$ 108,359 |
| Jul-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 3,133                    | \$ 111,492 |
| Aug-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,973                    | \$ 114,465 |
| Sep-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,808                    | \$ 117,274 |
| Oct-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,640                    | \$ 119,914 |
| Nov-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,470                    | \$ 122,384 |
| Dec-22     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,300                    | \$ 124,684 |
| Jan-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 2,132                    | \$ 126,816 |
| Feb-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,966                    | \$ 128,782 |
| Mar-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,805                    | \$ 130,587 |
| Apr-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,649                    | \$ 132,236 |
| May-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,499                    | \$ 133,735 |
| Jun-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,357                    | \$ 135,092 |
| Jul-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,222                    | \$ 136,314 |
| Aug-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 1,096                    | \$ 137,410 |
| Sep-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 977                      | \$ 138,387 |
| Oct-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 868                      | \$ 139,255 |
| Nov-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 767                      | \$ 140,022 |
| Dec-23     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 675                      | \$ 140,697 |
| Jan-24     | \$ -                        | \$ 141,287 | \$ -                            | \$ 141,287 | \$ 590                      | \$ 141,287 |

## PROJECT SPENDING PLAN

**PROJECT:** FY19 MCON P735 Machine Gun Range; Joint Region Marianas, Guam

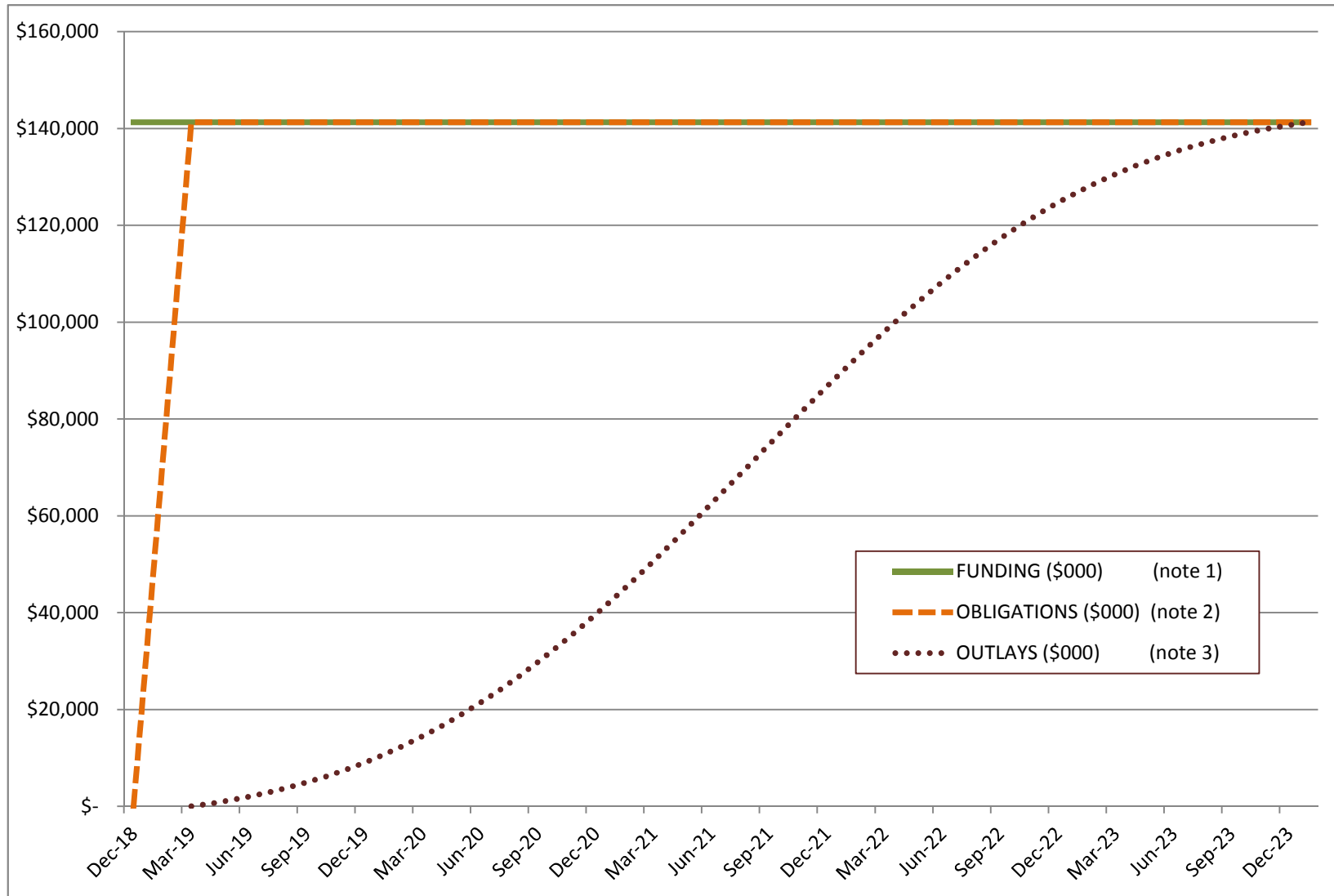
**PA (\$000):** \$141,287

**As of :** January 2018

### Assumptions:

- 1) Appropriation is enacted no later than mid-December of the program year.
- 2) Project is fully funded and funds are available to the contracting officer for obligation no earlier than February 2019 in order to award construction contract in March of 2019.
- 3) Section 7 and other environment cleanup secondary construction contracts are awarded no later than Mar 2019.
- 4) Section 7 and other environment cleanup by secondary construction contract is completed by Mar 2020.
- 5) Construction contractor is able to obtain required permits by Mar 2020.

**Project: FY19 MCON P735 Machine Gun Range; US NAVSUPACT Andersen Guam; Joint Region Marianas, Guam**



**DEPARTMENT OF THE NAVY**  
**FY 2019 MILITARY CONSTRUCTION PROGRAM**  
**EUROPEAN DETERRENCE INITIATIVE (EDI) MILCON**

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| Project Justification Documents (DD1391s) | 1   |

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**DEPARTMENT OF THE NAVY**

**FY 2019 MILITARY CONSTRUCTION PROGRAM**

**EUROPEAN DETERRENCE INITIATIVE (EDI)**

**Requirement**

The Department of the Navy supports the President's European Deterrence Initiative (EDI) to help increase the capability and readiness of U.S. allies and partners. A key enabler for contingency options is sufficiently robust infrastructure at key locations to support military activities.

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**DEPARTMENT OF THE NAVY**  
**FY 2019 Military Construction**

**Index of Locations for Navy and Marine Corps Projects**

| State/<br>Cntry                         | Proj<br>No. | Location                                                   | Auth Request<br>(\$000) | Approp Request<br>(\$000) | Mission | Page<br>No. |
|-----------------------------------------|-------------|------------------------------------------------------------|-------------------------|---------------------------|---------|-------------|
| <b><u>Outside the United States</u></b> |             |                                                            |                         |                           |         |             |
| <b>GREECE</b>                           |             |                                                            |                         |                           |         |             |
|                                         |             | NAVSUPPACT SOUDA BAY GR<br><u>SOUDA BAY, GREECE</u>        |                         |                           |         |             |
|                                         | 144         | EDI: Marathi Logistics Support Center                      | 6,200                   | 6,200                     | Current | 1           |
|                                         | 903         | EDI: Joint Mobility Processing Center                      | 41,650                  | 41,650                    | Current | 5           |
|                                         |             | Subtotal                                                   | 47,850                  | 47,850                    |         |             |
|                                         |             | <b>Total - GREECE</b>                                      | <b>47,850</b>           | <b>47,850</b>             |         |             |
| <b>ITALY</b>                            |             |                                                            |                         |                           |         |             |
|                                         |             | NAS SIGONELLA IT<br><u>SIGONELLA, ITALY</u>                |                         |                           |         |             |
|                                         | 118         | EDI: P-8A Taxiway                                          | 66,050                  | 66,050                    | New     | 15          |
|                                         |             | Subtotal                                                   | 66,050                  | 66,050                    |         |             |
|                                         |             | <b>Total - ITALY</b>                                       | <b>66,050</b>           | <b>66,050</b>             |         |             |
| <b>SPAIN</b>                            |             |                                                            |                         |                           |         |             |
|                                         |             | NAVSTA ROTA SP<br><u>ROTA, SPAIN</u>                       |                         |                           |         |             |
|                                         | 811         | EDI: Port Operations Facilities                            | 21,590                  | 21,590                    | Current | 19          |
|                                         |             | Subtotal                                                   | 21,590                  | 21,590                    |         |             |
|                                         |             | <b>Total - SPAIN</b>                                       | <b>21,590</b>           | <b>21,590</b>             |         |             |
| <b>UNITED KINGDOM</b>                   |             |                                                            |                         |                           |         |             |
|                                         |             | NAVSUPPACT NAPLES IT<br><u>LOSSIEMOUTH, UNITED KINGDOM</u> |                         |                           |         |             |
|                                         | 312         | EDI: P-8 Base Improvements                                 | 79,130                  | 79,130                    | New     | 9           |
|                                         |             | Subtotal                                                   | 79,130                  | 79,130                    |         |             |
|                                         |             | <b>Total - UNITED KINGDOM</b>                              | <b>79,130</b>           | <b>79,130</b>             |         |             |
|                                         |             | <b>Total - Outside The United States</b>                   | <b>214,620</b>          | <b>214,620</b>            |         |             |
| <b><u>Various Locations</u></b>         |             |                                                            |                         |                           |         |             |
|                                         | 719         | EDI: Planning & Design                                     | 0                       | 12,700                    | Current | 25          |
|                                         |             | <b>Total - Various Locations</b>                           | <b>0</b>                | <b>12,700</b>             |         |             |
|                                         |             | <b>Grand Total</b>                                         | <b>214,620</b>          | <b>227,320</b>            |         |             |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                              |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N66691<br>NAVSUPPACT SOUDA BAY GR<br>SOUDA BAY, GREECE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           | 4. Project Title<br>EDI: Marathi Logistics Support<br>Center |                        |
| 5. Program Element<br>0712976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>44110                    | 7. Project Number<br>P144 | 8. Project Cost (\$000)<br>6,200                             |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                              |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | UM                                           | Quantity                  | Unit Cost                                                    | Cost(\$000)            |
| EDI: MARATHI LOGISTICS SUPPORT<br>CENTER (14,639SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | m2                                           | 1,360                     |                                                              | 3,830                  |
| LOGISTICS SUPPORT CENTER<br>CC44110 (14,639SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | m2                                           | 1,360                     | 1,591.39                                                     | (2,160)                |
| INFORMATION SYSTEMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                              | (110)                  |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                              | (40)                   |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                              | (1,190)                |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                              | (280)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                              | (50)                   |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                              | 1,730                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                              | (260)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                              | (540)                  |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                              | (660)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                              | (270)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                              | 5,560                  |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                              | 280                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           |                                                              | 5,840                  |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                              | 360                    |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                              | 6,200                  |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                              | 6,200                  |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                              | 6,200                  |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                              | (479)                  |
| <b>10. Description of Proposed Construction:</b><br><p>Constructs a pre-engineered metal building with concrete spread footings, concrete slab on grade, concrete and insulated metal-panel exterior walls, and metal-panel roofing. The facility will be used for frozen, refrigerated, and dry storage, inbound and outbound ship cargo, and logistical office space.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> |                                              |                           |                                                              |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                           |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                           | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N66691<br>NAVSUPPACT SOUDA BAY GR<br>SOUDA BAY, GREECE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           | 4. Project Title<br>EDI: Marathi Logistics Support Center |                        |
| 5. Program Element<br>0712976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>44110                    | 7. Project Number<br>P144 | 8. Project Cost (\$000)<br>6,200                          |                        |
| <p>Built-in equipment includes an emergency generator, diesel fire pump, fire water storage tank, walk-in refrigerator and freezer, storage cages, dock levelers, pallet racks, dock bumpers, lockers, loading dock shelters, and an uninterruptable power supply.</p> <p>Special costs include Post Construction Contract Award Services.</p> <p>Operations and maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                           |                        |
| <b>11. Requirement:</b> <u>1,360 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs a warehouse for storage of general purpose and cold storage items with office support space.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>A warehouse is required to provide cold and dry storage at the seaport.<br><b>CURRENT SITUATION:</b><br>Naval Support Activity (NSA) Souda Bay has insufficient warehousing capability for its strategic material through-put and joint logistic surge operations. There is no warehouse or storage capability at the Marathi port site, which necessitates goods to be transported to and from warehouses located inside the main Souda Bay Base. These facilities belong to the Greek Air Force, are not configured for efficient warehousing operations, and lack climate control and fire protection systems.<br><br>This project is not sited in a 100-year flood plain.<br><b>IMPACT IF NOT PROVIDED:</b>                                                                                                         |                                              |                           |                                                           |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       |                           |                                                              |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------|--------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N66691<br>NAVSUPPACT SOUDA BAY GR<br>SOUDA BAY, GREECE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |                           | 4. Project Title<br>EDI: Marathi Logistics Support<br>Center |                        |
| 5. Program Element<br>0712976N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>44110             | 7. Project Number<br>P144 | 8. Project Cost (\$000)<br>6,200                             |                        |
| <p>NSA Souda Bay will continue to experience inefficiencies in storage, handling, and transportation of materials required by Navy units operating in the Eastern Mediterranean, by Joint forces operating in strategic contingencies and exercises, and for day-to-day supply operations. Materials stored in humid warehouses without climate control will continue to experience spoilage. Operations will continue to be exposed to higher security risks, costs, and delays associated with transporting goods from off-site facilities. Without official agreements in place, use of the existing facilities could be rescinded by Greece at any time.</p> |                                       |                           |                                                              |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       |                           |                                                              |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |                           |                                                              |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       |                           |                                                              |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       |                           |                                                              | 10/2016                |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                           |                                                              | 03/2017                |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |                           |                                                              | 12/2018                |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       |                           |                                                              | 15%                    |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                           |                                                              | 35%                    |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Design Bid Build                      |                           |                                                              |                        |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                       |                           |                                                              | Yes                    |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       |                           |                                                              | Yes                    |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |                           |                                                              |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                           |                                                              | No                     |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                       |                           |                                                              |                        |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       |                           |                                                              |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       |                           |                                                              | \$372                  |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                       |                           |                                                              | \$186                  |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |                           |                                                              | \$558                  |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                       |                           |                                                              | \$450                  |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                       |                           |                                                              | \$108                  |
| 4. Contract award:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |                           |                                                              | 06/2019                |
| 5. Construction start:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                           |                                                              | 07/2019                |
| 6. Construction complete:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |                           |                                                              | 07/2020                |
| B. Equipment associated with this project which will be provided from other appropriations:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       |                           |                                                              |                        |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>Procuring</u>                      | <u>FY Approp</u>          |                                                              |                        |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>Approp</u>                         | <u>or Requested</u>       | <u>Cost (\$000)</u>                                          |                        |
| Communications equipment (C4I)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OPN                                   | 2020                      | 100                                                          |                        |
| Electronic Security System/Intrusion<br>Detection Sys                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | OPN                                   | 2020                      | 65                                                           |                        |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OMN                                   | 2020                      | 108                                                          |                        |
| Supply Operations Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OPN                                   | 2020                      | 205                                                          |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                              |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N66691<br>NAVSUPPACT SOUDA BAY GR<br>SOUDA BAY, GREECE                                                                                                                                                                                                                                                                                                                       |                                              |                           | 4. Project Title<br>EDI: Marathi Logistics Support<br>Center |                        |
| 5. Program Element<br>0712976N                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>44110                    | 7. Project Number<br>P144 | 8. Project Cost (\$000)<br>6,200                             |                        |
| <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Department of the Navy requirements.</p> <p>Activity POC: Project Development Lead      Phone No: 266-1537</p> |                                              |                           |                                                              |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                                              |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N66691<br>NAVSUPPACT SOUDA BAY GR<br>SOUDA BAY, GREECE                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           | 4. Project Title<br>EDI: Joint Mobility Processing<br>Center |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>14140                    | 7. Project Number<br>P903 | 8. Project Cost (\$000)<br>41,650                            |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                              |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | UM                                           | Quantity                  | Unit Cost                                                    | Cost(\$000)            |
| EDI: JOINT MOBILITY PROCESSING<br>CENTER (96,555SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | m2                                           | 8,970.26                  |                                                              | 29,760                 |
| JOINT MOBILITY PROCESSING<br>CENTER CC14140 (96,555SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | m2                                           | 8,970.26                  | 2,695.76                                                     | (24,180)               |
| INFORMATION SYSTEMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LS                                           |                           |                                                              | (750)                  |
| ANTI-TERRORISM/FORCE<br>PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                              | (330)                  |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LS                                           |                           |                                                              | (900)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                                              | (3,140)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                                              | (460)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                              | 7,590                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                              | (1,760)                |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                                              | (2,540)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                                              | (580)                  |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                                              | (230)                  |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                              | (2,480)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                              | 37,350                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                              | 1,870                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                                              | 39,220                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                              | 2,430                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                              | 41,650                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                              | 41,650                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                              | 41,650                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                              | (6,733)                |
| <b>10. Description of Proposed Construction:</b><br><br>Constructs a two-story, steel-frame structure with concrete shear walls, concrete and insulated metal panel exterior walls, modified bituminous membrane roof, and shallow concrete foundation. The facility will include an air passenger terminal, air cargo terminal, supply operations and air operations spaces.<br><br>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in |                                              |                           |                                                              |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                                              |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                              | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N66691<br>NAVSUPPACT SOUDA BAY GR<br>SOUDA BAY, GREECE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           | 4. Project Title<br>EDI: Joint Mobility Processing<br>Center |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>14140                    | 7. Project Number<br>P903 | 8. Project Cost (\$000)<br>41,650                            |                        |
| <p>accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services(PCAS). Special costs also include temporary facilities for Air Operations and administrative personnel during construction, hazardous material survey, and third party commissioning.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Site preparations includes site clearing, excavation, grading, and demolition of existing concrete apron and site utilities.</p> <p>Paving and site improvements include asphalt paving, concrete apron, sidewalks and pavers, landscaping, and LID.</p> <p>Demolition includes Building #6 Air Ops Supply (5,616 SF), Building #5 Air Ops (14,862 SF), Building #22 Air Terminal (4,188 SF) and Building #34 Canopy (2,511 SF) to clear the site for this project. Temporary facilities (T-13, T-16 and T-24) will also be demolished as part of this project.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria (UFC). Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> |                                              |                           |                                                              |                        |
| <b>11. Requirement:</b> <u>8,970 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Constructs a joint mobility processing center with an air passenger terminal, air cargo terminal, supply operations and air operations spaces with 'ready-to-use' detachment contingency spaces.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                              |                        |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------|------------------------|-----------------------------------------------------|---------|----------------------------------------------------------|---------|---------------------------|---------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                              | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |
| 3. Installation(SA)& Location/UIC: N66691<br>NAVSUPPACT SOUDA BAY GR<br>SOUDA BAY, GREECE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           | 4. Project Title<br>EDI: Joint Mobility Processing<br>Center |                        |                                                     |         |                                                          |         |                           |         |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>14140                    | 7. Project Number<br>P903 | 8. Project Cost (\$000)<br>41,650                            |                        |                                                     |         |                                                          |         |                           |         |
| <p>This project will consolidate the installation's core air operations and air transportation functions by providing facilities which can fully support increases in throughput traffic. NSA Souda Bay is a key USTRANSCOM Joint Deployment and Distribution Enterprise node to support missions in Eurasia, the Middle East, and Africa.</p> <p>The air passenger terminal needs to be able to process at least 30,000 passengers per year and support one wide-body passenger aircraft (approximately 300 passengers and baggage/gear) and four wide-body cargo aircraft at a time. In addition to passenger related functions, air operations use the terminal for various command and control functions.</p> <p><b>CURRENT SITUATION:</b></p> <p>The existing air passenger terminal was built in 1959, with two major additions to the building in 1995 and 2002. The facility is seismically unsafe. The existing facility cannot support all air operations functions and does not have the required visibility to the flightline for monitoring of activity.</p> <p>The existing warehouse facility used for handling, processing, and storing cargo that is being transported to and from aircraft is undersized. These functions are currently performed outdoors and exposed to weather.</p> <p>This project is not sited in a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>The existing dysfunctional and undersized facilities will continue to create operational constraints and inefficient air passenger operations. Passengers and personnel will continue to be exposed to higher risk of injury because of seismic deficiencies. Air cargo capabilities will continue to be extremely limited, with no surge capabilities for exercises, emergencies or contingencies. Air cargo requirements will continue to exceed the available space while greatly jeopardizing turn-around time-lines and efficiencies as automated cargo handling systems cannot be installed within the undersized facility. Cargo will be stored outdoors on the flightline. Supplies to support transient aircraft will continue to be stored in a non-secure rubber building. Resupply of aircraft will take additional time due to the poorly designed support infrastructure.</p> |                                              |                           |                                                              |                        |                                                     |         |                                                          |         |                           |         |
| <p><b>12. Supplemental Data:</b></p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table border="0"> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>10/2016</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>04/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>12/2018</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                                              |                        | (A) Date design or Parametric Cost Estimate started | 10/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 04/2017 | (C) Date design completed | 12/2018 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10/2016                                      |                           |                                                              |                        |                                                     |         |                                                          |         |                           |         |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 04/2017                                      |                           |                                                              |                        |                                                     |         |                                                          |         |                           |         |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12/2018                                      |                           |                                                              |                        |                                                     |         |                                                          |         |                           |         |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                              | 2. Date<br>05 FEB 2018 |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------------------------|------------------------|------------------|------------------|------------------|--|---------------------|---------------|---------------------|---------------------|----------------------------|-----|------|-------|--------------------------------|-----|------|-------|-----------------------------------|-----|------|-------|------------------------------|-----|------|-----|
| 3. Installation(SA)& Location/UIC: N66691<br>NAVSUPPACT SOUDA BAY GR<br>SOUDA BAY, GREECE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           | 4. Project Title<br>EDI: Joint Mobility Processing<br>Center |                        |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Category Code<br>14140                    | 7. Project Number<br>P903 | 8. Project Cost (\$000)<br>41,650                            |                        |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |
| (D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 35%<br>(F) Type of design contract Design Bid Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed Yes<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$2,499<br>(B) All other design costs \$1,250<br>(C) Total \$3,749<br>(D) Contract \$3,020<br>(E) In-house \$729<br>4. Contract award: 06/2019<br>5. Construction start: 07/2019<br>6. Construction complete: 07/2021<br>B. Equipment associated with this project which will be provided from other appropriations:<br><table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: left;"><u>Procuring</u></th> <th style="text-align: left;"><u>FY Approp</u></th> <th></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: left;"><u>Approp</u></th> <th style="text-align: left;"><u>or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Air Force Material Command</td> <td>OPN</td> <td>2020</td> <td>2,679</td> </tr> <tr> <td>Communications equipment (C4I)</td> <td>OPN</td> <td>2020</td> <td>1,500</td> </tr> <tr> <td>Furniture, Fixtures and Equipment</td> <td>OPN</td> <td>2020</td> <td>1,991</td> </tr> <tr> <td>Security Equipment (IDS/ESS)</td> <td>OPN</td> <td>2020</td> <td>563</td> </tr> </tbody> </table> |                                              |                           |                                                              |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> |  | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> | <u>Cost (\$000)</u> | Air Force Material Command | OPN | 2020 | 2,679 | Communications equipment (C4I) | OPN | 2020 | 1,500 | Furniture, Fixtures and Equipment | OPN | 2020 | 1,991 | Security Equipment (IDS/ESS) | OPN | 2020 | 563 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u>Procuring</u>                             | <u>FY Approp</u>          |                                                              |                        |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u>Approp</u>                                | <u>or Requested</u>       | <u>Cost (\$000)</u>                                          |                        |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |
| Air Force Material Command                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OPN                                          | 2020                      | 2,679                                                        |                        |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |
| Communications equipment (C4I)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OPN                                          | 2020                      | 1,500                                                        |                        |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |
| Furniture, Fixtures and Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OPN                                          | 2020                      | 1,991                                                        |                        |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |
| Security Equipment (IDS/ESS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OPN                                          | 2020                      | 563                                                          |                        |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis. However, the scope of the project is based on Navy requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                                              |                        |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |
| Activity POC: Project Development Lead      Phone No: 314-266-1537                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                              |                        |                  |                  |                  |  |                     |               |                     |                     |                            |     |      |       |                                |     |      |       |                                   |     |      |       |                              |     |      |     |

|                                                                                                                                 |                                              |                           |                                                |                        |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62588(LS)<br>NAVSUPPACT NAPLES IT<br>(LOSSIEMOUTH, SCOTLAND)<br>LOSSIEMOUTH, UNITED KINGDOM |                                              |                           | 4. Project Title<br>EDI: P-8 Base Improvements |                        |
| 5. Program Element<br>0212176N                                                                                                  | 6. Category Code<br>21104                    | 7. Project Number<br>P312 | 8. Project Cost (\$000)<br>79,130              |                        |
| <b>9. COST ESTIMATES</b>                                                                                                        |                                              |                           |                                                |                        |
| Item                                                                                                                            | UM                                           | Quantity                  | Unit Cost                                      | Cost(\$000)            |
| EDI: P-8 BASE IMPROVEMENTS                                                                                                      | LS                                           |                           |                                                | 42,020                 |
| MAINT / WASH HANGAR CC21104<br>(29,510SF)                                                                                       | m2                                           | 2,741.58                  | 4,404.15                                       | (12,070)               |
| TAXIWAY CC11210 (852,911SF)                                                                                                     | m2                                           | 79,238                    | 129.43                                         | (10,260)               |
| AUSTERE UNACCOMPANIED HOUSING<br>CC72127 (14,706SF)                                                                             | m2                                           | 1,366.19                  | 3,869.25                                       | (5,290)                |
| ACFT PARKING APRON CC11320<br>(372,959SF)                                                                                       | m2                                           | 34,649                    | 172.8                                          | (5,990)                |
| ACFT RINSE FACILITY CC11615                                                                                                     | EA                                           | 1                         | 2,767,375.53                                   | (2,770)                |
| RUNWAY / FIXED WING CC11110<br>(107,564SF)                                                                                      | m2                                           | 9,993                     | 172.8                                          | (1,730)                |
| LINE SHACK (BLDG 717) CC14130<br>(1,938SF)                                                                                      | m2                                           | 180                       | 474.31                                         | (90)                   |
| AERIAL ENGINEERING FLIGHT<br>BUILDING (BLDG 698) CC14130<br>(1,938SF)                                                           | m2                                           | 180                       | 363.61                                         | (70)                   |
| SPECIAL COSTS                                                                                                                   | LS                                           |                           |                                                | (3,350)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                     | LS                                           |                           |                                                | (400)                  |
| SUPPORTING FACILITIES                                                                                                           |                                              |                           |                                                | 28,940                 |
| PAVEMENT FACILITIES                                                                                                             | LS                                           |                           |                                                | (210)                  |
| SITE PREPARATIONS                                                                                                               | LS                                           |                           |                                                | (40)                   |
| PAVING AND SITE IMPROVEMENTS                                                                                                    | LS                                           |                           |                                                | (110)                  |
| ELECTRICAL UTILITIES                                                                                                            | LS                                           |                           |                                                | (3,580)                |
| MECHANICAL UTILITIES                                                                                                            | LS                                           |                           |                                                | (2,760)                |
| DEMOLITION                                                                                                                      | LS                                           |                           |                                                | (22,240)               |
| SUBTOTAL                                                                                                                        |                                              |                           |                                                | 70,960                 |
| CONTINGENCY (5%)                                                                                                                |                                              |                           |                                                | 3,550                  |
| TOTAL CONTRACT COST                                                                                                             |                                              |                           |                                                | 74,510                 |
| SIOH (6.2%)                                                                                                                     |                                              |                           |                                                | 4,620                  |
| SUBTOTAL                                                                                                                        |                                              |                           |                                                | 79,130                 |
| TOTAL REQUEST ROUNDED                                                                                                           |                                              |                           |                                                | 79,130                 |
| TOTAL REQUEST                                                                                                                   |                                              |                           |                                                | 79,130                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                |                                              |                           |                                                | (955)                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62588(LS)<br>NAVSUPPACT NAPLES IT<br>(LOSSIEMOUTH, SCOTLAND)<br>LOSSIEMOUTH, UNITED KINGDOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           | 4. Project Title<br>EDI: P-8 Base Improvements |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>21104                    | 7. Project Number<br>P312 | 8. Project Cost (\$000)<br>79,130              |                        |
| <p><b>10. Description of Proposed Construction:</b></p> <p>Constructs a pre-engineered single-bay wash hangar to house one P-8A aircraft. The facility will include steel-framed construction insulated steel sidings and roof and concrete foundation and floors.</p> <p>Renovates existing taxiways to accommodate P-8A aircraft. Existing taxiways and shoulders will be widened.</p> <p>Constructs an austere unaccompanied housing facility to accommodate 70 personnel. Berthing modules are intended for variable occupancy based on rank. The facility will be a multi-story steel framed building with reinforced concrete foundation and brick veneer in a style compatible with existing quarters in the area.</p> <p>Constructs a concrete aircraft parking apron that supports powered on and off operations for two P-8A aircraft.</p> <p>Constructs an automatic taxi-through, treadle operated, and fresh water deluge system aircraft rinse facility, with automatic controls, water storage reservoirs, and pumping station.</p> <p>Renovates existing runways to accommodate P-8A aircraft. Runway thresholds will receive full-depth concrete pavement and subbase replacement.</p> <p>Constructs a one-story pre-engineered metal building line shack facility.</p> <p>Constructs one-story masonry aerial engineering flight building.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations, and physical security mitigation in accordance with DoD Minimum Anti- Terrorism Standards for Buildings.</p> <p>Special costs include Post Construction Contract Award Services (PCAS) and temporary site dewatering.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense (DoD) and Department of the Navy (DON) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the</p> |                                              |                           |                                                |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                                |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62588(LS)<br>NAVSUPPACT NAPLES IT<br>(LOSSIEMOUTH, SCOTLAND)<br>LOSSIEMOUTH, UNITED KINGDOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           | 4. Project Title<br>EDI: P-8 Base Improvements |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>21104                    | 7. Project Number<br>P312 | 8. Project Cost (\$000)<br>79,130              |                        |
| <p>Existing airfield pavements were designed to support much lighter and smaller fighter aircraft. Introduction of the heavier and larger P-8A aircraft to the airfield will reduce the life of the pavement. Existing taxiways are of sufficient structural capacity P-8A aircraft; however, they do not meet width requirements. Additionally, there is an earthen embankment along the north taxiway where the transverse slope exceeds limits, increasing risk of part of an aircraft coming in contact with the embankment.</p> <p>The existing parking apron and the alternative parking area (Taxiway Lima) are not of sufficient size to provide proper clearances for a P-8A aircraft to power into and out of their designated parking spots.</p> <p>There is no post-flight aircraft rinse facility or maintenance/wash hangar of sufficient size and configuration to support routine and unscheduled maintenance of P-8A aircraft during extended duration deployments. These facilities are required to mitigate accelerated aircraft corrosion from low-level over-water operations after each flight and protect maintenance personnel from extreme wind and weather conditions during maintenance evolutions.</p> <p>There are not sufficient quarters to accommodate the additional personnel associated with extended duration deployments, and due to its remote location options for off-base lodging are extremely limited.</p> <p>The project is not sited within a 100-year flood plain.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>Failure to upgrade the runway threshold will result in a significant increase in the rate of runway pavement deterioration due to the movement of the much heavier and larger P-8A aircraft over the threshold. Significant damage caused by P-8A aircraft movement may require closing down the runway for a substantial period to perform necessary repairs, resulting in severe harm aircraft operations. Unless taxiways are widened, P-8A aircraft will have to back-taxi along the runways, significantly extending the period of time the runway will be closed to take-offs and landings. Access to the parking apron will continue to be restricted resulting in P-8A aircraft having to park on Taxiway Lima, which requires the aircraft to be parked nose to tail. This alternative parking area is not wide enough for aircraft to taxi past each other, causing unnecessary movement of aircraft and operational delays.</p> <p>The inability to provide lodging for a full detachment of flight crews and</p> |                                              |                           |                                                |                        |



| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |    |                                 |     |      |     |
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| 3. Installation(SA)& Location/UIC: N62588(LS)<br>NAVSUPPACT NAPLES IT<br>(LOSSIEMOUTH, SCOTLAND)<br>LOSSIEMOUTH, UNITED KINGDOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>EDI: P-8 Base Improvements |                        |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |    |                                 |     |      |     |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>21104                    | 7. Project Number<br>P312 | 8. Project Cost (\$000)<br>79,130              |                        |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |    |                                 |     |      |     |
| maintenance personnel will significantly increase long-term cost by requiring all personnel to be housed in widely dispersed hotels on the local economy and require the personnel to be shuttled back and forth to the airfield.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                                |                        |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |    |                                 |     |      |     |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started 05/2017<br>(B) Date 35% Design or Parametric Cost Estimate complete 09/2017<br>(C) Date design completed 12/2018<br>(D) Percent completed as of September 2017 15%<br>(E) Percent completed as of January 2018 30%<br>(F) Type of design contract Design Bid Build<br>(G) Parametric Estimate used to develop cost Yes<br>(H) Energy Study/Life Cycle Analysis performed No<br>2. Basis:<br>(A) Standard or Definitive Design No<br>(B) Where design was previously used<br>3. Total Cost (C) = (A) + (B) = (D) + (E):<br>(A) Production of plans and specifications \$5,210<br>(B) All other design costs \$2,605<br>(C) Total \$7,815<br>(D) Contract \$6,295<br>(E) In-house \$1,520<br>4. Contract award: 06/2019<br>5. Construction start: 07/2019<br>6. Construction complete: 02/2022<br>B. Equipment associated with this project which will be provided from other appropriations:<br><table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Procuring</u></th> <th style="text-align: center;"><u>FY Approp</u></th> <th style="text-align: right;"><u>Cost (\$000)</u></th> </tr> <tr> <th style="text-align: left;"><u>Nomenclature</u></th> <th style="text-align: center;"><u>Approp</u></th> <th style="text-align: center;"><u>or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Electronic Security Systems</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">75</td> </tr> <tr> <td>Fixtures, Furniture &amp; Equipment</td> <td style="text-align: center;">OPN</td> <td style="text-align: center;">2021</td> <td style="text-align: right;">880</td> </tr> </tbody> </table> |                                              |                           |                                                |                        | <u>Equipment</u> | <u>Procuring</u> | <u>FY Approp</u> | <u>Cost (\$000)</u> | <u>Nomenclature</u> | <u>Approp</u> | <u>or Requested</u> |  | Electronic Security Systems | OPN | 2021 | 75 | Fixtures, Furniture & Equipment | OPN | 2021 | 880 |
| <u>Equipment</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>Procuring</u>                             | <u>FY Approp</u>          | <u>Cost (\$000)</u>                            |                        |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |    |                                 |     |      |     |
| <u>Nomenclature</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>Approp</u>                                | <u>or Requested</u>       |                                                |                        |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |    |                                 |     |      |     |
| Electronic Security Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OPN                                          | 2021                      | 75                                             |                        |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |    |                                 |     |      |     |
| Fixtures, Furniture & Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | OPN                                          | 2021                      | 880                                            |                        |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |    |                                 |     |      |     |
| <b>JOINT USE CERTIFICATION:</b><br>The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                |                        |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |    |                                 |     |      |     |
| Activity POC: Project Development Lead      Phone No: +39 081 568 7766                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                                |                        |                  |                  |                  |                     |                     |               |                     |  |                             |     |      |    |                                 |     |      |     |

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|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                            | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62588(LS)<br>NAVSUPPACT NAPLES IT<br>(LOSSIEMOUTH, SCOTLAND)<br>LOSSIEMOUTH, UNITED KINGDOM |                                              |                           | 4. Project Title<br>EDI: P-8 Base Improvements |                        |
| 5. Program Element<br>0212176N                                                                                                  | 6. Category Code<br>21104                    | 7. Project Number<br>P312 | 8. Project Cost (\$000)<br>79,130              |                        |
| <p><b>Blank Page</b></p>                                                                                                        |                                              |                           |                                                |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                       | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62995<br>NAS SIGONELLA IT<br>SIGONELLA, ITALY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           | 4. Project Title<br>EDI: P-8A Taxiway |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Category Code<br>11210                    | 7. Project Number<br>P118 | 8. Project Cost (\$000)<br>66,050     |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                       |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | UM                                           | Quantity                  | Unit Cost                             | Cost(\$000)            |
| EDI: P-8A TAXIWAY (2,499,767SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | m2                                           | 232,236                   |                                       | 32,660                 |
| TAXIWAY CC11210 (1,823,460SF)<br>(RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | m2                                           | 169,405                   | 119.82                                | (20,300)               |
| AIRCRAFT PARKING APRON CC11320<br>(676,307SF) (RENOVATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | m2                                           | 62,831                    | 166.2                                 | (10,440)               |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LS                                           |                           |                                       | (1,150)                |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS                                           |                           |                                       | (770)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                       | 26,570                 |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                       | (14,790)               |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS                                           |                           |                                       | (2,300)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                       | (8,300)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                       | (1,180)                |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                       | 59,230                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                       | 2,960                  |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                           |                                       | 62,190                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                       | 3,860                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                       | 66,050                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                       | 66,050                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                       | 66,050                 |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                       |                        |
| <p>Renovates existing airfield pavement, including improvements to aircraft taxiways, runways and parking aprons, to support P-8A, C-17, and C-5 aircraft. Pavement will consist of new Portland cement concrete and bituminous concrete wearing courses underlain by a stabilized base course and compacted subgrades.</p> <p>Special costs include Post Construction Contract Award Services (PCAS).</p> <p>Operations and maintenance support information (OMSI) is included in the project.</p> <p>Department of Defense (DoD) and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and</p> |                                              |                           |                                       |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                       |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                       | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62995<br>NAS SIGONELLA IT<br>SIGONELLA, ITALY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           | 4. Project Title<br>EDI: P-8A Taxiway |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>11210                    | 7. Project Number<br>P118 | 8. Project Cost (\$000)<br>66,050     |                        |
| <p>construction of this project as appropriate.</p> <p>Site preparations include demolition of existing concrete and asphalt pavement.</p> <p>Paving and site improvements include taxiway and apron striping, mooring eyes for aircraft tie-downs, grounding points, and paving runway shoulders.</p> <p>Electrical utilities include replacing taxiway lighting systems.</p> <p>Mechanical utilities include repairing the storm water drainage system servicing the taxiways and apron.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                       |                        |
| <b>11. Requirement:</b> <u>232,236 m2</u> <b>Adequate:</b> <u>0 m2</u> <b>Substandard:</b> <u>0 m2</u><br><b>PROJECT:</b><br>Upgrade existing aircraft taxiways and parking apron to allow sustained operations of the P-8A Poseidon Aircraft and other aircraft.<br><b>(New Mission)</b><br><b>REQUIREMENT:</b><br>Full depth pavement replacement and subgrade upgrade is required to strengthen taxiways and key aprons to accommodate P-8A operations. The existing taxiways and parking aprons will experience accelerated deterioration from P-8A operations due to the aircraft's weight and wheel loads.<br><b>CURRENT SITUATION:</b><br>NAS Sigonella is a main hub for maritime patrol, intelligence surveillance and reconnaissance, and strategic lift operations in the EURAFSWA area of operation in support of Fleet steady state and contingency requirements. All taxiways are in poor condition. The parking apron designated for P-8A parking is in very poor condition especially near the new P-8A hangar and wash rack. In addition, the parallel taxiway does not have operational taxiway lights, increasing risk to airfield operations.<br><br>This project is not located in a 100-year flood plain.<br><b>IMPACT IF NOT PROVIDED:</b> |                                              |                           |                                       |                        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                       | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62995<br>NAS SIGONELLA IT<br>SIGONELLA, ITALY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           | 4. Project Title<br>EDI: P-8A Taxiway |                        |
| 5. Program Element<br>0203176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6. Category Code<br>11210                    | 7. Project Number<br>P118 | 8. Project Cost (\$000)<br>66,050     |                        |
| <p>Without the new taxiway and apron improvement, pavement conditions will aggressively deteriorate due to the heavy load imposed by the P-8A aircraft. Airfield operations will incur considerable risk for all joint forces using the airfield. After two years of continuous P-8A operation, the pavement condition for all taxiways and apron is projected to be very poor. This scenario will result in very limited airfield operation and possibly runway closure due to inability of aircraft to taxi from the runway to the parking aprons. Airfield limitation or closure negatively affects required steady state and contingency missions hosted by NAS Sigonella.</p> |                                              |                           |                                       |                        |
| <b>12. Supplemental Data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                       |                        |
| A. Estimated Design Data:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                       |                        |
| 1. Status:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                       |                        |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                       | 02/2017                |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                       | 06/2017                |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                       | 10/2018                |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                       | 15%                    |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                       | 35%                    |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           |                                       | Design Bid Build       |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                       | Yes                    |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                       | No                     |
| 2. Basis:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                       |                        |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                       | No                     |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                       |                        |
| 3. Total Cost (C) = (A) + (B) = (D) + (E):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                       |                        |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                       | \$3,963                |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                           |                                       | \$1,982                |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                       | \$5,945                |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                       | \$4,789                |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                       | \$1,156                |
| 4. Contract award:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                           |                                       | 06/2019                |
| 5. Construction start:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                       | 07/2019                |
| 6. Construction complete:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                       | 06/2021                |
| B. Equipment associated with this project which will be provided from other appropriations: NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                       |                        |
| JOINT USE CERTIFICATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                              |                           |                                       |                        |
| The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                       |                        |
| Activity POC: Project Development Lead      Phone No: 624-6870                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                       |                        |

|                                                                                   |                                              |                           |                                       |                        |
|-----------------------------------------------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|------------------------|
| 1. Component<br>NAVY                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                       | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62995<br>NAS SIGONELLA IT<br>SIGONELLA, ITALY |                                              |                           | 4. Project Title<br>EDI: P-8A Taxiway |                        |
| 5. Program Element<br>0203176N                                                    | 6. Category Code<br>11210                    | 7. Project Number<br>P118 | 8. Project Cost (\$000)<br>66,050     |                        |
| <p><b>Blank Page</b></p>                                                          |                                              |                           |                                       |                        |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62863<br>NAVSTA ROTA SP<br>ROTA, SPAIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           | 4. Project Title<br>EDI: Port Operations Facilities |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>15964                    | 7. Project Number<br>P811 | 8. Project Cost (\$000)<br>21,590                   |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                     |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | UM                                           | Quantity                  | Unit Cost                                           | Cost(\$000)            |
| EDI: PORT OPERATIONS FACILITIES<br>(47,437SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | m2                                           | 4,407                     |                                                     | 14,080                 |
| PORT OPERATIONS FACILITY<br>CC15964 (35,241SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | m2                                           | 3,274                     | 2,978.82                                            | (9,750)                |
| SHIP SERVICES SUPPORT BUILDING<br>CC21370 (12,196SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | m2                                           | 1,133                     | 2,960.05                                            | (3,350)                |
| BUILT-IN EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LS                                           |                           |                                                     | (450)                  |
| SPECIAL COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LS                                           |                           |                                                     | (430)                  |
| OPERATION & MAINTENANCE SUPP<br>INFO (OMSI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LS                                           |                           |                                                     | (100)                  |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                     | 5,280                  |
| SITE PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                                     | (330)                  |
| PAVING AND SITE IMPROVEMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LS                                           |                           |                                                     | (1,930)                |
| ELECTRICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                     | (1,380)                |
| MECHANICAL UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LS                                           |                           |                                                     | (1,180)                |
| ENVIRONMENTAL MITIGATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LS                                           |                           |                                                     | (310)                  |
| DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LS                                           |                           |                                                     | (150)                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                     | 19,360                 |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                     | 970                    |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                     | 20,330                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                                     | 1,260                  |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                     | 21,590                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |                           |                                                     | 21,590                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |                           |                                                     | 21,590                 |
| EQUIPMENT FROM OTHER<br>APPROPRIATIONS (NON ADD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                     | (1,199)                |
| <b>10. Description of Proposed Construction:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                                     |                        |
| <p>Constructs a one-story reinforced concrete structure with insulated concrete walls finished with stucco, steel-framed clay tile roof, and shallow foundation system. The facility will house port operations and will include a small craft maintenance high-bay area, boatswain locker, workshops, storage areas, oil spill response area, hazardous supply and hazardous waste storage area, administrative space, bunk rooms, multipurpose training room, and a tower for view of the port and bay. The facility also incorporates space for Spanish port operations, including</p> |                                              |                           |                                                     |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |                           |                                                     |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62863<br>NAVSTA ROTA SP<br>ROTA, SPAIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |                           | 4. Project Title<br>EDI: Port Operations Facilities |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6. Category Code<br>15964                    | 7. Project Number<br>P811 | 8. Project Cost (\$000)<br>21,590                   |                        |
| <p>administrative space, bunk rooms, storage and a training room.</p> <p>Constructs a one-story reinforced concrete structure with insulated concrete walls finished with stucco, insulated concrete roof deck with standing seam metal roofing and shallow foundation system. The facility will be a ship services support building and will include administrative space, support spaces, and conference spaces.</p> <p>This project will provide Anti-Terrorism/Force Protection (AT/FP) features and comply with AT/FP regulations and physical security mitigation in accordance with Department of Defense (DoD) Minimum Anti-Terrorism Standards for Buildings.</p> <p>Built-in equipment includes a bridge crane, outboard engine repair racks, work benches, pallet shelving, racks to hold riggers and slings, lockers and a passenger elevator.</p> <p>Special costs include Post Construction Contract Award Services (PCAS) and traffic mitigation during construction.</p> <p>Operations and Maintenance Support Information (OMSI) is included in this project.</p> <p>Department of Defense and Department of the Navy (DON) principles for high performance and sustainable building requirements will be included in the design and construction of the project in accordance with federal laws and Executive Orders. Low Impact Development (LID) will be included in the design and construction of this project as appropriate.</p> <p>Paving and site improvements include parking facilities for approximately 100 vehicles, concrete and asphalt pavement, curbs, sidewalks, landscaping, fencing and dumpster enclosure.</p> <p>Electrical utilities include site lighting, underground electrical distribution systems, secondary distribution systems, and telecommunications infrastructure.</p> <p>Mechanical utilities include sanitary sewer lines and lift station, storm drainage system and potable water service lines.</p> <p>Demolition includes Building #189 (476 m2), Building #215 (372 m2), Building #515 (11 m2), and Building #1976 (22 m2) to be demolished upon</p> |                                              |                           |                                                     |                        |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                                     |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62863<br>NAVSTA ROTA SP<br>ROTA, SPAIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           | 4. Project Title<br>EDI: Port Operations Facilities |                        |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6. Category Code<br>15964                    | 7. Project Number<br>P811 | 8. Project Cost (\$000)<br>21,590                   |                        |
| <p>completion of the new facility. Hazardous building material testing and abatement will be required prior to general demolition.</p> <p>Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria (UFC). Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                                     |                        |
| <p><b>11. Requirement:</b>    <u>4,407 m2</u>    <b>Adequate:</b>    <u>0 m2</u>    <b>Substandard:</b>    <u>0 m2</u></p> <p><b>PROJECT:</b></p> <p>Constructs a port operations building and a ship services support building for the Forward Deployed Regional Maintenance Command (FDRMC).</p> <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b></p> <p>Naval Station Rota requires facilities for intermodal management of port operations which coordinates multi-modal access for military aircraft, vehicles, and ordnance movement between the port and airfield, to meet DON and NATO ship requirements, and to improve coordination with Spanish port and NATO operations.</p> <p>The FDRMC requires facilities to support maintenance of four Ballistic Missile Defense capable Aegis destroyers.</p> <p><b>CURRENT SITUATION:</b></p> <p>Naval Station Rota is a tenant within Spanish base Naval de Rota and all port related operations need host nation approval requiring daily coordination. U.S. Navy port operations are conducted in six buildings on Pier 1 and segregated from Spanish port operations. Current facilities do not have an unobstructed view of the harbor and entrance channel, which hinders coordination of operations and increases safety and security risks.</p> <p>Building #189 was built in 1960. It has severe maintenance issues, water leaks, and lacks a fire alarm. Building #215 is a World War II-era Quonset hut. It has settlement problems and holes in the metal walls from corrosion. Port operations utilizes the majority of Building #555 for maintenance and storage. FDRMC utilizes the remainder of the facility as well as temporary facilities positioned at the waterfront. The building will be within the explosive arcs and will require hardening to continue to be used for its current functions.</p> <p>This project is not sited in a 100-year flood plain.</p> |                                              |                           |                                                     |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FY 2019 MILITARY CONSTRUCTION PROGRAM |                           |                                                     | 2. Date<br>05 FEB 2018 |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
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| 3. Installation(SA)& Location/UIC: N62863<br>NAVSTA ROTA SP<br>ROTA, SPAIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                           | 4. Project Title<br>EDI: Port Operations Facilities |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| 5. Program Element<br>0212176N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>15964             | 7. Project Number<br>P811 | 8. Project Cost (\$000)<br>21,590                   |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| <b>IMPACT IF NOT PROVIDED:</b><br><p>As ship traffic into this port increases, the intermodal management and coordination of increased traffic will be further hindered by the deteriorated port operations infrastructure. Port operations will continue to operate in facilities with major maintenance issues and without the benefit of a 360 degree view of the busy harbor.</p> <p>Spanish and DON port operations and FDRMC personnel will remain in violation of Explosive Safety Quantity Distances (ESQD). Additional FDRMC personnel will not have available facilities meeting ESQD criteria and will not be allowed to be sited within the waterfront, jeopardizing the viability of current maintenance availability period and directly affecting operational readiness and required availability tempo.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| <b>12. Supplemental Data:</b><br><p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date design or Parametric Cost Estimate started</td> <td>09/2016</td> </tr> <tr> <td>(B) Date 35% Design or Parametric Cost Estimate complete</td> <td>09/2017</td> </tr> <tr> <td>(C) Date design completed</td> <td>12/2018</td> </tr> <tr> <td>(D) Percent completed as of September 2017</td> <td>15%</td> </tr> <tr> <td>(E) Percent completed as of January 2018</td> <td>35%</td> </tr> <tr> <td>(F) Type of design contract</td> <td>Design Bid Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy Study/Life Cycle Analysis performed</td> <td>Yes</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design</td> <td>No</td> </tr> <tr> <td>(B) Where design was previously used</td> <td>N/A</td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <table> <tr> <td>(A) Production of plans and specifications</td> <td>\$1,295</td> </tr> <tr> <td>(B) All other design costs</td> <td>\$648</td> </tr> <tr> <td>(C) Total</td> <td>\$1,943</td> </tr> <tr> <td>(D) Contract</td> <td>\$1,565</td> </tr> <tr> <td>(E) In-house</td> <td>\$378</td> </tr> </table> <p>4. Contract award: 06/2019</p> <p>5. Construction start: 07/2019</p> <p>6. Construction complete: 07/2021</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table> <thead> <tr> <th>Equipment<br/>Nomenclature</th> <th>Procuring<br/>Approp</th> <th>FY Approp<br/>or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Audio Visual Equipment (AV)</td> <td>OMN</td> <td>2021</td> <td>60</td> </tr> </tbody> </table> |                                       |                           |                                                     |                        | (A) Date design or Parametric Cost Estimate started | 09/2016 | (B) Date 35% Design or Parametric Cost Estimate complete | 09/2017 | (C) Date design completed | 12/2018 | (D) Percent completed as of September 2017 | 15% | (E) Percent completed as of January 2018 | 35% | (F) Type of design contract | Design Bid Build | (G) Parametric Estimate used to develop cost | Yes | (H) Energy Study/Life Cycle Analysis performed | Yes | (A) Standard or Definitive Design | No | (B) Where design was previously used | N/A | (A) Production of plans and specifications | \$1,295 | (B) All other design costs | \$648 | (C) Total | \$1,943 | (D) Contract | \$1,565 | (E) In-house | \$378 | Equipment<br>Nomenclature | Procuring<br>Approp | FY Approp<br>or Requested | Cost (\$000) | Audio Visual Equipment (AV) | OMN | 2021 | 60 |
| (A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 09/2016                               |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (B) Date 35% Design or Parametric Cost Estimate complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 09/2017                               |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (C) Date design completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12/2018                               |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (D) Percent completed as of September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 15%                                   |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (E) Percent completed as of January 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 35%                                   |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (F) Type of design contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Design Bid Build                      |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (G) Parametric Estimate used to develop cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Yes                                   |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (H) Energy Study/Life Cycle Analysis performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                   |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (A) Standard or Definitive Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No                                    |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (B) Where design was previously used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | N/A                                   |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (A) Production of plans and specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$1,295                               |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (B) All other design costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$648                                 |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (C) Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \$1,943                               |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (D) Contract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$1,565                               |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| (E) In-house                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | \$378                                 |                           |                                                     |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| Equipment<br>Nomenclature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Procuring<br>Approp                   | FY Approp<br>or Requested | Cost (\$000)                                        |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |
| Audio Visual Equipment (AV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | OMN                                   | 2021                      | 60                                                  |                        |                                                     |         |                                                          |         |                           |         |                                            |     |                                          |     |                             |                  |                                              |     |                                                |     |                                   |    |                                      |     |                                            |         |                            |       |           |         |              |         |              |       |                           |                     |                           |              |                             |     |      |    |

|                                                                                                                                                       |                                              |                           |                                                     |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                  | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62863<br>NAVSTA ROTA SP<br>ROTA, SPAIN                                                                            |                                              |                           | 4. Project Title<br>EDI: Port Operations Facilities |                        |
| 5. Program Element<br>0212176N                                                                                                                        | 6. Category Code<br>15964                    | 7. Project Number<br>P811 | 8. Project Cost (\$000)<br>21,590                   |                        |
| Furnishings, Fixtures and Equipment                                                                                                                   |                                              | OMN                       | 2021                                                | 998                    |
| Intrusion Detection System (IDS)                                                                                                                      |                                              | OMN                       | 2021                                                | 141                    |
| JOINT USE CERTIFICATION:<br>The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended. |                                              |                           |                                                     |                        |
| Activity POC: Project Development Lead      Phone No: (+34)-956-82-1080                                                                               |                                              |                           |                                                     |                        |

|                                                                            |                                              |                           |                                                     |                        |
|----------------------------------------------------------------------------|----------------------------------------------|---------------------------|-----------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                                     | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N62863<br>NAVSTA ROTA SP<br>ROTA, SPAIN |                                              |                           | 4. Project Title<br>EDI: Port Operations Facilities |                        |
| 5. Program Element<br>0212176N                                             | 6. Category Code<br>15964                    | 7. Project Number<br>P811 | 8. Project Cost (\$000)<br>21,590                   |                        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                            |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                            | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N64482<br>PLANNING /DESIGN<br>UNSPECIFIED, WORLDWIDE LOCATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              |                           | 4. Project Title<br>EDI: Planning & Design |                        |
| 5. Program Element<br>0901211N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code                             | 7. Project Number<br>P719 | 8. Project Cost (\$000)<br>12,700          |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                            |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UM                                           | Quantity                  | Unit Cost                                  | Cost(\$000)            |
| EDI: PLANNING & DESIGN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LS                                           |                           |                                            | 12,700                 |
| DESIGN COSTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LS                                           |                           |                                            | (12,700)               |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                            | 12,700                 |
| CONTINGENCY (0%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                           |                                            | 0                      |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                            | 12,700                 |
| SIOH (0%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                            | 0                      |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |                           |                                            | 12,700                 |
| TOTAL REQUEST ROUNDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           |                                            | 12,700                 |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                           |                                            | 12,700                 |
| <b>10. Description of Proposed Construction:</b><br>Funds to be utilized under Title 10 USC 2807 for architectural and engineering services and construction design in connection with military construction projects in the European Deterrence Initiative (EDI) Program. Engineering investigations, such as field surveys and foundation exploration, will be undertaken as necessary.                                                                                                                                                                                                                                                                                                                                                                                      |                                              |                           |                                            |                        |
| <b>11. Requirement:</b><br><b>PROJECT:</b><br>Planning and design funds.<br><b>(Current Mission)</b><br><b>REQUIREMENT:</b><br>All projects in a military construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. These costs for architectural and engineering services and construction design are not provided for in the construction project cost estimates except in those where Design/Build contracting method is used.<br><b>CURRENT SITUATION:</b><br>N/A<br><b>IMPACT IF NOT PROVIDED:</b><br>N/A |                                              |                           |                                            |                        |
| <b>12. Supplemental Data:</b><br>A. Estimated Design Data:<br>1. Status:<br>(A) Date design or Parametric Cost Estimate started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                           |                                            |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                           |                                            |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY 2019 MILITARY CONSTRUCTION PROGRAM</b> |                           |                                            | 2. Date<br>05 FEB 2018 |
| 3. Installation(SA)& Location/UIC: N64482<br>PLANNING /DESIGN<br>UNSPECIFIED, WORLDWIDE LOCATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |                           | 4. Project Title<br>EDI: Planning & Design |                        |
| 5. Program Element<br>0901211N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code                             | 7. Project Number<br>P719 | 8. Project Cost (\$000)<br>12,700          |                        |
| <p>(B) Date 35% Design or Parametric Cost Estimate complete</p> <p>(C) Date design completed</p> <p>(D) Percent completed as of September 2017</p> <p>(E) Percent completed as of January 2018</p> <p>(F) Type of design contract</p> <p>(G) Parametric Estimate used to develop cost</p> <p>(H) Energy Study/Life Cycle Analysis performed</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design</p> <p>(B) Where design was previously used</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E):</p> <p>(A) Production of plans and specifications</p> <p>(B) All other design costs</p> <p>(C) Total \$0</p> <p>(D) Contract</p> <p>(E) In-house</p> <p>4. Contract award:</p> <p>5. Construction start:</p> <p>6. Construction complete:</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p> <p>JOINT USE CERTIFICATION:</p> <p>N/A</p> <p>Activity POC:</p> <p>Phone No:</p> |                                              |                           |                                            |                        |

# **Host Country In-Kind Contributions Projects**

## **Table of Contents**

- Pohang Air Base, Korea
  - ROKFC Project M19R600; Replace Ordnance Storage Magazines
- Chinhae, Korea
  - ROKFC Project N19R950; Indoor Training Pool

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                      |                                                                |                                           |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------|---------------|
| <b>1. COMPONENT</b><br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>Republic of Korea Funded Construction (ROKFC)</b> |                                                                | <b>2. DATE:</b><br>28 July 2017           |               |
| <b>3. INSTALLATION AND LOCATION</b><br>Pohang Air Base, Korea                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                      | <b>4. PROJECT TITLE:</b><br>Replace Ordnance Storage Magazines |                                           |               |
| <b>5. PROGRAM ELEMENT:</b><br>N/A                                                                                                                                                                                                                                                                                                                                                                                                                   |  | <b>6. CATEGORY CODE:</b><br>421-22                   |                                                                | <b>7. PROJECT NUMBER:</b><br>M19R600      |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                      |                                                                | <b>8. PROJECT COST (\$000):</b><br>87,000 |               |
| <b>9. COST ESTIMATE</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                      |                                                                |                                           |               |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | U/M                                                  | QUANTITY                                                       | UNIT COST                                 | COST (\$000)  |
| <b>Primary Facility</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                      |                                                                |                                           | <b>41,767</b> |
| Earth Covered Magazine, Navy Modular Type E (421-22)                                                                                                                                                                                                                                                                                                                                                                                                |  | EA                                                   | 30                                                             | 886,000                                   | (26,580)      |
| Earth Covered Magazine, Type D (421-22)                                                                                                                                                                                                                                                                                                                                                                                                             |  | EA                                                   | 4                                                              | 3,746,000                                 | (14,984)      |
| Guard House (730-25)                                                                                                                                                                                                                                                                                                                                                                                                                                |  | EA                                                   | 1                                                              | 101,000                                   | (101)         |
| Defensive Fighting Position (730-21)                                                                                                                                                                                                                                                                                                                                                                                                                |  | EA                                                   | 2                                                              | 51,000                                    | (102)         |
| <b>Supporting Facilities</b>                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                      |                                                                |                                           | <b>35,442</b> |
| Special Foundation                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | SM                                                   | 9,637                                                          | 608                                       | (5,859)       |
| Site Work                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | LS                                                   | 1                                                              | 13,506,000                                | (13,506)      |
| Storm Drainage                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | SM                                                   | 1                                                              | 929,000                                   | (929)         |
| Roads and Pavement                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | LM                                                   | 33,177                                                         | 67                                        | (2,223)       |
| Utilities                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | EA                                                   | 2,291                                                          | 191                                       | (438)         |
| Demolition, Magazines                                                                                                                                                                                                                                                                                                                                                                                                                               |  | EA                                                   | 11                                                             | 326,000                                   | (3,586)       |
| Perimeter Security Fence                                                                                                                                                                                                                                                                                                                                                                                                                            |  | LM                                                   | 1,917                                                          | 411                                       | (788)         |
| Area Lighting                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | LS                                                   | 1                                                              | 726,000                                   | (726)         |
| Safe Haven                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | LS                                                   | 1                                                              | 411,000                                   | (411)         |
| Electrical Power w/Transformer                                                                                                                                                                                                                                                                                                                                                                                                                      |  | LS                                                   | 1                                                              | 2,544,000                                 | (2,544)       |
| Communication work                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | LS                                                   | 1                                                              | 1,691,000                                 | (1,691)       |
| Generator and ATS w/Fuel Oil Tank                                                                                                                                                                                                                                                                                                                                                                                                                   |  | LS                                                   | 1                                                              | 248,000                                   | (248)         |
| Settlement Plate                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | LS                                                   | 1                                                              | 2,493,000                                 | (2,493)       |
| <b>Estimated Contract Cost</b>                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                      |                                                                |                                           | <b>77,209</b> |
| Contingency (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                      |                                                                |                                           | <u>3,861</u>  |
| <b>Sub-Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                      |                                                                |                                           | <b>81,070</b> |
| Supervision, Inspection & Overhead (6.5%)                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                      |                                                                |                                           | <u>5,270</u>  |
| <b>Total Request</b>                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                      |                                                                |                                           | <b>86,340</b> |
| <b>Total Request (Rounded)</b>                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                      |                                                                |                                           | <b>87,000</b> |
| <b>Items funded from other appropriations</b>                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                      |                                                                |                                           |               |
| Intrusion Detection System                                                                                                                                                                                                                                                                                                                                                                                                                          |  | LS                                                   | 1                                                              | 1,391,000                                 | 1,391         |
| <b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b>                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                      |                                                                |                                           |               |
| <p>Utilize host-nation funding to construct (34) new 7-bar earth covered magazines at Pohang Air Base (AB) to store forward-stored aviation ordnance. Project includes site preparation, storm water drainage, electrical utility service, magazine access roads, demolition of existing magazines within the site, a safe haven compound, area security to include perimeter fence, lighting, a guard house, and defensive fighting positions.</p> |  |                                                      |                                                                |                                           |               |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                  |                                                         |                                    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------|---------------------------------------------------------|------------------------------------|--|
| 1. COMPONENT<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Republic of Korea Funded<br>Construction (ROKFC) |                                                         | 2. DATE:<br>28 July 2017           |  |
| 3. INSTALLATION AND LOCATION<br>Pohang Air Base, Korea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                  | 4. PROJECT TITLE:<br>Replace Ordnance Storage Magazines |                                    |  |
| 5. PROGRAM ELEMENT:<br>N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 6. CATEGORY CODE:<br>421-22                      |                                                         | 7. PROJECT NUMBER:<br>M19R600      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                  |                                                         | 8. PROJECT COST (\$000):<br>87,000 |  |
| 11. REQ: 8,900 SM    ADQT: None    SUBSTD: 11,600 SM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                  |                                                         |                                    |  |
| <p><b>Project:</b> Construct new ordnance magazines at Pohang AB for USMC forward-staged aviation ordnance. Primary facilities include (34) 7-bar Earth Covered Magazines (ECM). Supporting facilities include electrical utility service, access roads, site preparation, storm water drainage, perimeter security fencing, deep foundation system and demolition of existing magazines. <b>CURRENT MISSION.</b></p> <p><b>Requirement:</b> The USMC maintains forward stored aviation ordnance at Pohang AB in support of theater operational plans.</p> <p>This project directly supports operational requirements for USMC aircraft to "Fight Tonight" thus this requirement supports USFK Commander's Strategic priority 1. Deter/Defend.</p> <p>This project will modernize the magazines to current standards resulting in a net decrease in magazine footprint by area with an increase in magazine storage by volume and explosive weight capacity. The project will consolidate all of the U.S. magazines to a single site which can be enclosed by a security fence providing internal Munitions Storage Area (MSA) access control. The consolidated magazine footprint will reduce the explosive safety quantity distance arcs thereby reducing the total number of exposed sites encumbered by the MSA. The project will create a safe haven which currently does not exist.</p> <p><b>Current Situation:</b> The ordnance is currently stored in a MSA that is comprised of (35) undefined ECMs and (15) Above Ground Magazines (AGM). The (50) US magazines are collocated in the MSA with (49) ROK magazines.</p> <p>Use of the MSA is provided to USMC under a Memorandum of Understanding (MOU) between ROK, Ministry of National Defense (MND) and the U. S. Department of Defense (DoD) dated 1988. FASC Task 3244A is in the process of updating the MOU and property agreements for use of Pohang AB.</p> <p>Four broad issues exist with the MSA.</p> <ol style="list-style-type: none"> <li>1. The conditions of the individual magazines are poor. The magazines were built in 1967 and are not in compliance with current approved magazine designs. Additionally, the magazines are subject to numerous maintenance issues that have resulted in seven ECMs not being utilized due to safety and security concerns.</li> <li>2. Developable space that does not impact operations within MSA is limited. Generally, the capacity of the magazines is limited by Net Explosive Weight (NEW) and not physical space which requires the use of more magazines to support the ordnance load plan than would be required if they met current designs. Recently, the ROK Navy constructed two magazines in the vicinity of U.S. magazines that violate the inter-magazine distances thereby preventing use of two additional U.S. magazines.</li> <li>3. The MSA operates under a Chief of Naval Operations (CNO) exemption. A Munitions Risk Assessment (MRA) was conducted in June 2015 identifying the potential risk of damage to infrastructure, facilities (civilian homes, industrial buildings, and agriculture), and personnel amounting to more than \$29 million.</li> <li>4. The ROKMC has identified intent to construct eleven new ROK magazines in the MSA. Given the current U.S. magazine footprint, the ROK magazines will be constructed on a site that will expand the combined Explosive Safety Quantity-Distance (ESQD) arcs to encompass the ROKMC training and education group campus thereby significantly increasing the explosive safety risk of the entire MSA. Alternative sighting can only be achieved by reducing the U. S. footprint.</li> </ol> |  |                                                  |                                                         |                                    |  |

|                                                        |  |                                                  |                                                         |                                    |  |
|--------------------------------------------------------|--|--------------------------------------------------|---------------------------------------------------------|------------------------------------|--|
| 1. COMPONENT<br>NAVY                                   |  | Republic of Korea Funded<br>Construction (ROKFC) |                                                         | 2. DATE:<br>28 July 2017           |  |
| 3. INSTALLATION AND LOCATION<br>Pohang Air Base, Korea |  |                                                  | 4. PROJECT TITLE:<br>Replace Ordnance Storage Magazines |                                    |  |
| 5. PROGRAM ELEMENT:<br>N/A                             |  | 6. CATEGORY CODE:<br>421-22                      |                                                         | 7. PROJECT NUMBER:<br>M19R600      |  |
|                                                        |  |                                                  |                                                         | 8. PROJECT COST (\$000):<br>87,000 |  |

**Impact If Not Provided:**

U. S. forward staged munitions will continue to be stored in the existing magazines. The foot print of the U. S. magazines will continue to restrict ROKMC storage capacity growth resulting in an expansion of the total explosive safety risk for the MSA. Magazines that are no longer usable due to safety and encroachment will continue to be unusable.

**ADDITIONAL:**

1. This project has been considered for joint use potential. This facility will be available for use by other components.
2. This project is located on an enduring installation which will be retained by United States Forces Korea for the foreseeable future. FASC Task 3244A is in negotiation and will include real estate agreements that will provide USFK with joint or exclusive use real estate to support construction of new magazines in the MSA.
3. The possibility of Host Nation funding has been addressed. Funds from Host Nation programs are available to support this requirement. All known alternatives were considered during development of this project. No other feasible alternative could meet mission requirements. Therefore, an economic analysis was not needed or conducted.
4. Explosive safety site approval is required prior to construction of this project. No portion of the proposed facility is intended for Republic of Korea personnel exclusive or primary use.
5. Supporting facilities costs exceeds 25% of the primary facility due to the significant earthworks associated with developing the site to support the primary facilities.

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------|--------------------------------------------------|------------------------------------------|--------------|
| 1. COMPONENT:<br><b>NAVY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | <b>REPUBLIC OF KOREA FUNDED<br/>CONSTRUCTION (ROKFC)</b> |                                                  | 2. DATE:<br><b>21 July 2017</b>          |              |
| 3. INSTALLATION AND LOCATION:<br><b>CHINHAE, KOREA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                          | 4. PROJECT TITLE:<br><b>INDOOR TRAINING POOL</b> |                                          |              |
| 5. PROGRAM ELEMENT:<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 6. CATEGORY CODE:<br><b>179-55</b>                       | 7. PROJECT NUMBER:<br><b>N19R950</b>             | 8. PROJECT COST (\$000):<br><b>7,400</b> |              |
| 9. COST ESTIMATES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                          |                                                  |                                          |              |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | U/M                                                      | QUANTITY                                         | UNIT COST                                | COST (\$000) |
| PRIMARY FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                          |                                                  |                                          | 5,374        |
| Indoor Training Pool                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | SM                                                       | 927                                              | 5,393                                    | (4,999)      |
| Special Foundation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | LS                                                       |                                                  |                                          | (183)        |
| Building AT/FP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | LS                                                       |                                                  |                                          | (96)         |
| EPACT & LEED Silver Compliance (2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | LS                                                       |                                                  |                                          | (96)         |
| SUPPORTING FACILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                          |                                                  |                                          | 1,227        |
| Electrical Service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | LS                                                       |                                                  |                                          | (534)        |
| Water, Sewer, and Gas Service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | LS                                                       |                                                  |                                          | (88)         |
| Storm Drainage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | LS                                                       |                                                  |                                          | (51)         |
| Paving, Walks, Curbs & Gutters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | LS                                                       |                                                  |                                          | (75)         |
| Site Improvement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | LS                                                       |                                                  |                                          | (333)        |
| Erosion Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | LS                                                       |                                                  |                                          | (18)         |
| Demolition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | LS                                                       |                                                  |                                          | (80)         |
| Anti-terrorism Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | LS                                                       |                                                  |                                          | (48)         |
| SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                          |                                                  |                                          | 6,601        |
| CONTINGENCY (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                          |                                                  |                                          | 330          |
| TOTAL CONTRACT COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                          |                                                  |                                          | 6,931        |
| SUPERVISION, INSPECTION & OVERHEAD (6.5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                          |                                                  |                                          | 451          |
| TOTAL REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                          |                                                  |                                          | 7,382        |
| TOTAL REQUEST (ROUNDED)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                          |                                                  |                                          | 7,400        |
| <p><b>10. DESCRIPTION OF PROPOSED CONSTRUCTION:</b></p> <p>Utilize host-nation funding to construct an indoor training pool facility at the location of the existing outdoor swimming pool that meets the requirements of NAVMED P-5010-4, Chapter 4 Swimming Pools and Bathing Places.</p> <p>The project includes a 25 meter, 4-lane pool with water filtration/ recirculation system, earth anchors, metal structural frame enclosure and concrete pile foundations. An indoor training pool is provided as an appropriate facility at commands where training requirements demand aquatic capabilities and year-round use of a weather protected facility. The project includes site improvements such as retaining walls, fencing, paving, walkways and utilities.</p> <p>The indoor training pool is designed to be structurally independent of, yet aesthetically compatible with the adjacent gymnasium (S-829). The training pool consists of a high-bay open structure with a climate</p> |  |                                                          |                                                  |                                          |              |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          |                                     |
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| 1. COMPONENT:<br><b>NAVY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>REPUBLIC OF KOREA FUNDED<br/>CONSTRUCTION (ROKFC)</b> | 2. DATE:<br><b>21 July 2017</b>     |
| 3. INSTALLATION AND LOCATION:<br><b>CHINHAE, KOREA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |                                     |
| 4. PROJECT TITLE :<br><b>INDOOR TRAINING POOL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                          | 4. PROJECT NUMBER<br><b>N19R950</b> |
| <p>controlled environment for the aquatic training operations. The indoor pool enclosure will house a 25 meter 4-lane pool, filtration/pump room, pool equipment storage and an office for the pool management staff. The filtration/pump room houses a recirculation system that supplies a sanitary body of water for the pool. The filter equipment consists of pumps, filtration and treatment equipment and a surge tank located below the surface level of the pool water.</p> <p>The pool ranges in depth from 1 meter in the shallow area to approximately 6 meters in the deepest. The training program requires a 4.5 meter high training platform and a 6 meter deep diving pool area. Lane lines and signage that guides swimmers with alerts when approaching the 6 meter water depth will be provided.</p> <p>A proper overflow gutter and/or a skimmer will be provided to remove floating debris and oils. In consideration of future maintenance for repair or replacement of pipes, pipe pit is designed allowing physical access by maintenance personnel and will also reduce the risk of unnecessary removal of the concrete slab.</p> <p>COMFLEACT Chinhae has a known record of sub-soil radon content. Radon mitigation techniques will be adopted per NAVRAMP Guidebook for Naval Shore Installations. Both active and passive mitigation methods will be incorporated including passive barrier, sub-slab suction system and vertical suction stack.</p> |                                                          |                                     |
| <b>11. REQUIREMENT: 927 SM                      ADEQUATE:                      0 SM                      SUBSTANDARD:                      0 SM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                          |                                     |
| <b>PROJECT:</b> Construct an indoor training pool facility. (New Mission)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                     |
| <p><b>REQUIREMENTS:</b></p> <p>The indoor training pool is required to meet the sailor's Physical Readiness Testing (PRT)/ Personal Fitness Assessment (PFA), Second Class Swimmer's Certification, spot certifications on Search and Rescue (SAR) training, and Explosive Ordnance Disposal (EOD)/ Sea, Air, Land (SEAL) use. These training tests and certifications can only be conducted in a standard 25 or 50 meter swimming pool, with a 25 meter 4-lane pool being suitable for the existing site's condition.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                          |                                     |
| <p><b>CURRENT CONDITION:</b></p> <p>The existing pool is approximately +21 meter in length, 1.5 to 2.6 meter in depth, and is insufficient to support the requirements associated with the training program for Second Class Swimmer's Certification. It also does not meet the depth requirements for PRT/PFA certification. Because of this, the training program has been conducted off-base in commercial facilities or Republic of Korea (ROK) Navy facilities. For the Dive/SEAL training and certification program, personnel are required to travel to Sasebo, Nagasaki to accomplish the training and certification program.</p> <p>Considering the typical operation of outdoor pools, the facility can only operate from Memorial Day to Labor Day thus limiting the opportunity to perform training during off seasons.</p> <p>The existing outdoor pool was constructed in 1991 for recreational purpose mainly. The existing pool shows evidence of aging and deterioration and is routinely losing its body of water, aside from natural evaporation and splash-out. This indicates pool leakage is happening over time, which requires continuous monitoring, maintenance and repair.</p>                                                                                                                                                                                                                                                                          |                                                          |                                     |
| <p><b>IMPACT IF NOT PROVIDED:</b></p> <p>If this project is not provided, the current inadequate facility will not support fitness training and certification requirements. It is not viable to continuously use off-base facilities for training and certification needs. The existing pool was designed for recreation and exercise purpose and does not meet the demand for training criteria.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                          |                                     |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------|
| 1. COMPONENT:<br><b>NAVY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>REPUBLIC OF KOREA FUNDED<br/>CONSTRUCTION (ROKFC)</b> | 2. DATE:<br><b>21 July 2017</b>      |
| 3. INSTALLATION AND LOCATION:<br><b>CHINHAE, KOREA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                          |                                      |
| 4. PROJECT TITLE:<br><b>INDOOR TRAINING POOL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                          | 5. PROJECT NUMBER:<br><b>N19R950</b> |
| <p><b>ADDITIONAL:</b></p> <p>This project has been coordinated with the COMFLEACT Chinhae fire department. Alternative methods of meeting the requirements have been explored during project development and this is the only feasible option to meet the requirements. No portion of this facility is intended for Republic of Korea personnel exclusive or primary use. The project is located on an enduring installation which will be retained by United States Forces Korea (USFK) for the foreseeable future.</p> |                                                          |                                      |

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**Unfunded FY 2019 Parking Facilities, Access Control Points, and Road Construction Projects at DoD Sites**

| <b>Component</b> | <b>Project Type</b> | <b>Installation</b> | <b>State or Country</b> | <b>Project Description</b>                                                                                                                                                                                                                                                                                                                                                                 | <b>Project Number</b> | <b>Estimated Cost (\$000)</b> | <b>Estimated Program Year Funding</b> |
|------------------|---------------------|---------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------------------------------|
| Navy             | A                   | SEAL BEACH          | CA                      | Fence Ammunition Road/Relocate Main Gate:<br>Construct a perimeter fence (42,600 LF) along the north and south sides of Ammunition Road. Relocates main gate requiring 24 ft widening of approximately 3,000 LF of Ammunition and Tow Roads, constructs three guard shacks, a Pass & ID office and parking lot, and demolishes existing guard shack and Pass & ID office.                  | 225                   | 10,140                        | >2023                                 |
| Navy             | A                   | FALLON              | NV                      | Main Entry Control Gate:<br>Constructs a Commercial Entry Control Facility to consolidate Commercial Truck and POV at the intersection of Pasture Road and Union Lane.<br>New construction includes Security Guard Booths, Security Building and Visitor Pass and ID Office, Commercial and private vehicle inspection covered shelter and inspectors building, and main roadway widening. | 376                   | 7,590                         | >2023                                 |
| Navy             | A                   | KEY WEST            | FL                      | Entry Control Point - Main Site:<br>Constructs a UFC and AT/FP compliant gate house, overwatch position, overhead canopy, vehicle inspection area(s), vehicle rejection areas, active and passive barriers, and pass and ID office.                                                                                                                                                        | 730                   | 23,370                        | >2023                                 |
| Navy             | A                   | KINGSVILLE          | TX                      | Entry Control Point:<br>Constructs a permanent Pass and Tag Facility, a gatehouse, a dedicated vehicle inspection area, traffic control devices, a secure hold area, active and passive vehicle barriers, security fencing, security gates, improved security site lighting, and associated guard structures.                                                                              | 730                   | 22,350                        | >2023                                 |

**Unfunded FY 2019 Parking Facilities, Access Control Points, and Road Construction Projects at DoD Sites**

| <b>Component</b> | <b>Project Type</b> | <b>Installation</b> | <b>State or Country</b> | <b>Project Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Project Number</b> | <b>Estimated Cost (\$000)</b> | <b>Estimated Program Year Funding</b> |
|------------------|---------------------|---------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------------------------------|
| Navy             | A                   | SIGONELLA           | IT                      | Upgrade Entry Control Point at NAS:<br>Upgrades the existing Entry Control Point at the main entrance area of Naval Air Station Sigonella (NAS I/support site). New facilities include a sentry house, watch tower, sentry house canopy and commercial vehicle inspection station (canopy). Project will demolish the existing guard house (Bldg 206).                                                                                                                                                                                                                  | 736                   | 16,050                        | >2023                                 |
| Navy             | A                   | BREMERTON           | WA                      | ECP Safety Compliance:<br>Construct a vehicle inspection station and a gate house to replace existing guard booths at Charleston Gate.<br>Also constructs a new commercial vehicle deceleration lane from Washington State Highway 304 (SR 304) to the existing commercial vehicle inspection facility (CVIF) Building #1048 at Missouri Gate.<br>Demolishes temporary weather enclosures and existing guard booths at the entry control points (ECP's).                                                                                                                | 827                   | 15,465                        | >2023                                 |
| Navy             | A                   | NSA<br>WASHINGTON   | DC                      | Alteration & Expansion Of 'O' Street Gate/ECP:<br>Project improves the functionality and efficiency of the O Street ECP at the WNY by providing a truck ID/inspection area and turn around; adding a visitor's ingress lane; canopy will be constructed above the gatehouse and the ingress lanes; improving the traffic pattern for visitor's center egress; realigning curbing, parking, and sidewalk as necessary; amending the ingress/egress pathway to 10th Street from the adjacent parking garage (B386); and restriping the parking lot south of building 166. | 441                   | 12,570                        | >2023                                 |

**Unfunded FY 2019 Parking Facilities, Access Control Points, and Road Construction Projects at DoD Sites**

| <b>Component</b> | <b>Project Type</b> | <b>Installation</b> | <b>State or Country</b> | <b>Project Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Project Number</b> | <b>Estimated Cost (\$000)</b> | <b>Estimated Program Year Funding</b> |
|------------------|---------------------|---------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------------------------------|
| Navy             | A                   | POINT MUGU          | CA                      | Airfield Security Fence & Entry Control (AT/FP):<br>Constructs an Airfield Perimeter Fence that encircles the runways, taxiways, and parking aprons that extend along the flight line, and connects to each end of an existing perimeter fence. Provides improvements to meet the ATRP requirements for three Point Mugu Entry Control Facilities (Las Posas Road Gate, Mugu Main Gate, Wood Road Gate) and three Port Hueneme Entry Control Facilities (Pleasant Valley Gate, Victoria Gate, Sunkist Gate). Construction consists of a POV Entry Control Facility with ballistic hardened gate houses, sentry booths, and vehicle inspection offices.                                                                                      | 610                   | 35,220                        | >2023                                 |
| Navy             | A                   | MAYPORT             | FL                      | Entry Control Point Improvements:<br>Project constructs security improvements to the three perimeter access control points for Naval Station Mayport to include: Main Gate, Commercial Inspection Gate #5 and Seminole Gate. Construction consists of new gates and fencing; hardened overwatch position; pedestrian turnstiles; new pass and ID building with restroom facilities; hardened sentry booth; hardened overwatch position; overhead canopy for commercial vehicle processing with security lighting; a canopy for the existing Gate #5 used for privately owned vehicles (POVs); an area for performing X-ray inspection of vehicles which includes special foundations for the X-ray equipment and a pre-engineered building. | 800                   | 21,255                        | >2023                                 |

**Unfunded FY 2019 Parking Facilities, Access Control Points, and Road Construction Projects at DoD Sites**

| <b>Component</b> | <b>Project Type</b> | <b>Installation</b> | <b>State or Country</b> | <b>Project Description</b>                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Project Number</b> | <b>Estimated Cost (\$000)</b> | <b>Estimated Program Year Funding</b> |
|------------------|---------------------|---------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------------------------------|
| Navy             | A                   | ROTA                | SP                      | Entry Control Point (Puerto, Rota, Jerez):<br>Puerto and Rota ECPs: Construction includes guard booths with concrete barrier wall and raised island, I.D. check area canopy and vehicle inspection search area canopy.<br>Jerez/Commercial ECP: Construction includes raised island and concrete barriers for guard booth, ID check area canopy, truck inspection canopy.                                                         | 718                   | 13,710                        | >2023                                 |
| Navy             | A                   | NAPLES              | IT                      | Entry Control Facilities & Perimeter Fence:<br>Redesign the existing main entry control facilities at Capodichino, Naval Support Activity (NSA) Naples. At the West (main) gate, construct single story, reinforced concrete sentry booths/gatehouses, visitor center and commercial vehicle inspection station, and defensive fighting position (overwatch tower). Project will also replace the installation's perimeter fence. | 304                   | 11,730                        | >2023                                 |
| Navy             | A                   | NAPLES              | IT                      | Upgrade Entry Control Point at Support Site:<br>Constructs an Entry Control Point Facility at the main entrance area of Naval Support Activity (NSA) Naples. New facilities include sentry house, guard booths, hardened vehicle inspection station and covered ID check station. Project will demolish the existing hardened vehicle inspection station canopy and the existing ID check canopy and guardhouse (Bldg 2060).      | 306                   | 15,795                        | >2023                                 |

**Unfunded FY 2019 Parking Facilities, Access Control Points, and Road Construction Projects at DoD Sites**

| <b>Component</b> | <b>Project Type</b> | <b>Installation</b> | <b>State or Country</b> | <b>Project Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Project Number</b> | <b>Estimated Cost (\$000)</b> | <b>Estimated Program Year Funding</b> |
|------------------|---------------------|---------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------------------------------|
| Navy             | A                   | CHINA LAKE          | CA                      | Security Enhancements to Entry Control Facilities:<br>Construction includes paving, drainage structures, new fencing, four new bulletproof guard booths, replacement of existing main gate guard house, covered inspection canopy, five vehicle barrier gates, a gate house control room, relocation of power poles and existing street lights, new power to site. Demolishes existing sentry house 00986 and sentry post 00985.                                                                                                                                                                                                                                                                                       | 004                   | 6,975                         | >2023                                 |
| Navy             | A                   | CHARLESTON          | SC                      | NNPTC Entry Control Point Upgrades:<br>Upgrades the vehicle entrance and traffic controls at the Navy Nuclear Power Training Command (NNPTC) at the Naval Weapons Station (NWS) Charleston area of Joint base (JB) Charleston to meet current safety and security requirements. Construct a new combined privately owned vehicle (POV) and Commercial Vehicle Inspection (CVI) entry control point (ECP) facility consisting of an inspection canopy with a ballistically hardened gate house, sentry booth, overwatch fighting position, commercial vehicle inspection office, traffic control devices, active/passive vehicle, install a lighted security fence and pedestrian gate with unmanned security features. | 681                   | 17,820                        | >2023                                 |
| Navy             | P                   | SUITLAND            | MD                      | Replace NMIC Parking Facility Bldg 2:<br>Demolishes the failing three-story 1,225 space parking garage and constructs a new 1,800 space multi-story parking garage on the same footprint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 003                   | 80,655                        | >2023                                 |
| Navy             | P                   | SAN DIEGO           | CA                      | Fleet Parking Structure:<br>Constructs a 8,000 SM parking garage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 258                   | 64,890                        | >2023                                 |

**Unfunded FY 2019 Parking Facilities, Access Control Points, and Road Construction Projects at DoD Sites**

| <b>Component</b> | <b>Project Type</b> | <b>Installation</b>   | <b>State or Country</b> | <b>Project Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Project Number</b> | <b>Estimated Cost (\$000)</b> | <b>Estimated Program Year Funding</b> |
|------------------|---------------------|-----------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------------------------------|
| Navy             | P                   | SAN DIEGO             | CA                      | Parking Facility At Balboa Hospital:<br>Construct a 40,000 SM parking structure to provide 1,000 vehicle parking spaces. Project includes passenger elevator, lighting system, access roadways.                                                                                                                                                                                                                                                                                                                                                                        | 002                   | 65,085                        | >2023                                 |
| Navy             | P                   | NORFOLK               | VA                      | Parking Garage (USFFC, JFCOM at NSA HR):<br>Constructs a 400 vehicle high rise parking structure on an existing parking lot in order to consolidate existing parking.                                                                                                                                                                                                                                                                                                                                                                                                  | 800                   | 24,720                        | >2023                                 |
| Navy             | P                   | NORFOLK               | VA                      | Counter Terrorism Parking Offset Facility:<br>Constructs a new 816 space parking structure in support of COMLANTFLT and TYCOM personnel. The project includes realignment of the perimeter fence and roadway that runs north-south along the west end of the NSA compound.<br>The garage will be built on a lot that contains 486 spaces.                                                                                                                                                                                                                              | 832                   | 31,890                        | >2023                                 |
| Navy             | R                   | JOINT REGION MARIANAS | GUAM                    | Defense Access Road: Public Route 5 Repairs:<br>Project will make roadway repairs and improvements to Route (Rt) 5 from Rt 2A to Naval Munitions Site (NMS) by replacing the existing road. Work includes widening of existing lanes, adding shoulders, modifying the intersection of Naval Munitions Site and Rt 5, removal of existing pavements, subgrade improvements, installation of traffic controls signals/signage and management of existing traffic throughout the construction process, and installing appropriate best management practices for drainage. | 639                   | 8,490                         | >2023                                 |

**Unfunded FY 2019 Parking Facilities, Access Control Points, and Road Construction Projects at DoD Sites**

| <b>Component</b> | <b>Project Type</b> | <b>Installation</b>   | <b>State or Country</b> | <b>Project Description</b>                                                                                                                                                                                                                                                                                                                                                                                      | <b>Project Number</b> | <b>Estimated Cost (\$000)</b> | <b>Estimated Program Year Funding</b> |
|------------------|---------------------|-----------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------------------------------|
| Navy             | R                   | JOINT REGION MARIANAS | GUAM                    | Perimeter Fence And Access Road:<br>Construction of the base perimeter fence includes 23,311 LF of chain-link fence with five-strand barbed wire outriggers on heavy pre-cast concrete lined posts with aircraft cable and a 29,923 LF paved access road along the entire length of the fence. Project also includes demolition of 6,189 LF of existing chainlink fence, site preparations and erosion control. | 703                   | 26,295                        | >2023                                 |
| Marine Corps     | A                   | TWENTYNINE PALMS      | CA                      | Main Gate Reconfiguration:<br>Reconfigures the main gate and constructs a multi-lane entry control point, new sentry house, and over watch positions.                                                                                                                                                                                                                                                           | 988                   | 14,100                        | >2023                                 |
| Marine Corps     | R                   | BRIDGEPORT            | CA                      | By-Pass Road:<br>Provide a road to relocate public access Forest Service road off of DoD property.                                                                                                                                                                                                                                                                                                              | 218                   | 6,400                         | >2023                                 |
| Marine Corps     | A                   | BRIDGEPORT            | CA                      | Entry Control Points:<br>Construct permanent entry control points at 3 sites in order to replace temporary facilities.                                                                                                                                                                                                                                                                                          | 207                   | 9,000                         | >2023                                 |
| Marine Corps     | A                   | KANEOHE BAY           | HI                      | Main Gate Entry Control Point AT/FP Compliance:<br>Construct entry control point facilities including a sentry house, overwatch tower and waiting shelter. Provide appropriate lighting.                                                                                                                                                                                                                        | 951                   | 24,700                        | >2023                                 |
| Marine Corps     | A                   | KANEOHE BAY           | HI                      | Pu'u'loa Entry Control Point:<br>Constructs a new sentry house and upgrades physical security                                                                                                                                                                                                                                                                                                                   | 931                   | 11,500                        | >2023                                 |

**Unfunded FY 2019 Parking Facilities, Access Control Points, and Road Construction Projects at DoD Sites**

| Component    | Project Type | Installation | State or Country | Project Description                                                                                                                                                                                            | Project Number | Estimated Cost (\$000) | Estimated Program Year Funding |
|--------------|--------------|--------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------|--------------------------------|
| Marine Corps | A            | CAMP LEJEUNE | NC               | Physical Security Compliance Triange Outpost Gate: Construct entry control point facilities including a sentry house, overwatch tower and waiting shelter. Provide appropriate lighting.                       | 1165           | 7,100                  | >2023                          |
| Marine Corps | R            | QUANTICO     | VA               | Traffic Improvements Gate 4 to I-95: Construct two additional traffic lanes, replacement of existing traffic lanes, replacement of Route 1 bridge, improve access ramps, and provide traffic signaling devices | 651            | 26,500                 | >2023                          |
|              |              |              |                  | <b>Total Cost</b>                                                                                                                                                                                              |                | 631,365                |                                |

**This exhibit is submitted in response to House Report 115-188, “The Military Construction, Veterans Affairs, and Related Agencies Appropriations Bill, 2018”, page 28, which states: “*Parking issues at DOD facilities - Military construction budget constraints are negatively affecting the ability of the Department of Defense to address urgent parking requirements at certain U.S. military installations. The lack of parking is a safety issue and a detriment to the well-being of the employees, both civilian and military. The committee is concerned that many DOD facilities in the Departments inventory do not have sufficient parking to meet installation requirements. Furthermore, these deficiencies can contribute to traffic congestion and are serious problems on base. The Committee is concerned that the Department does not have a coherent strategy to address the growing parking requirements at installations that have significant growth. For example, Fort Meade, which already was home to the National Security Agency (NSA), became the headquarters for the newly formed U.S. Cyber Command in 2010. By 2011, the Defense Information Systems Agency, which handles the Pentagon’s IT and communications needs, had moved onto the base. In 2005, the base had just over 33,500 employees. Today it has about 57,000, more than double the numbers of the workers at the Pentagon. As a result of this growth, parking at Fort Meade has become a serious issue. Therefore, the Secretary of Defense is directed to submit to the Committee with the fiscal year 2019 military construction budget request: an updated list of unfunded requirements for parking facilities, access control points, and road construction at DOD facilities that have serious parking, access, and road congestion issues. Finally, the Secretary is further directed to submit, with the fiscal year 2019 military construction budget request, a list of how those requirements will be incorporated into their construction requests for fiscal years 2019 through 2023.*”**



DEPARTMENT OF THE NAVY  
FISCAL YEAR (FY) 2019  
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES  
FEB 2018

Military Construction  
Family Housing

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**DEPARTMENT OF THE NAVY  
NAVY/MARINE CORPS MILITARY FAMILY HOUSING  
PRESIDENT'S BUDGET SUBMISSION  
FISCAL YEAR 2019  
INDEX**

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING – FY 2019 BUDGET ESTIMATE  
NARRATIVE SUMMARY

The Department of the Navy (DON) request supports the operation, maintenance, leasing, privatization oversight, and construction for military family housing worldwide. This DON request reflects the Department's commitment to provide adequate homes to service members and their families. To achieve this goal, the DON must balance the revitalization of inadequate homes with the proper maintenance and upkeep of existing housing inventory, keeping it comparable to modern-day industry standards.

This budget estimate emphasizes utilizing whole-house improvement and replacement for family housing construction. The program's goal is to increase the useful life and livability of homes, ensure they are up to Department of Defense standards, making them more energy efficient and cheaper to maintain.

The DON's family housing operations request indicates the minimum funding needed to provide military families with adequate housing either through the private community or in government quarters. This funding request predominantly supports "must fund" requirements including utilities, lease contracts, service contracts, and maintenance necessary for the daily operations and upkeep of DON homes.

The DON budget request represents a program that balances modernization of inadequate units and proper sustainment of the current inventory within fiscal constraints.

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
PROGRAM SUMMARY

(\$000)

|                                                           |            |
|-----------------------------------------------------------|------------|
| FY 2019 Budget Request                                    | \$419,117  |
| FY 2018 Program Budget                                    | \$411,964  |
| FY 2018 Annualized Continuing Resolution (CR) Adjustments | (\$19,720) |
| Total FY 2018 PB Request with Annualized CR Adjustments*  | \$392,244  |

Purpose and Scope

This program provides for the support of military family housing functions within the Department of the Navy.

Program Summary

Authorization is requested for:

- (1) The performance of certain construction summarized hereafter; and
- (2) The appropriation of \$419,117
  - (a) to fund this construction; and
  - (b) to partially fund certain other functions already authorized in existing legislation.

A summary of the funding program for Fiscal Year 2019 follows (\$000):

| <u>Program</u>                   | <u>Navy</u>    | <u>Marine Corps</u> | <u>DON Total</u> |
|----------------------------------|----------------|---------------------|------------------|
| <u>FH Construction</u>           |                |                     |                  |
| New Construction                 | 83,441         | 0                   | 83,441           |
| Improvements                     | 0              | 16,638              | 16,638           |
| Planning and Design              | 3,514          | 988                 | 4,502            |
| Appropriation Request            | 86,955         | 17,626              | 104,581          |
| Reimbursements                   | 0              | 0                   | 0                |
| <b>Sub-total FH Construction</b> | <b>86,955</b>  | <b>17,626</b>       | <b>104,581</b>   |
| <u>FH Operations</u>             |                |                     |                  |
| Management                       | 45,519         | 5,351               | 50,870           |
| Services                         | 13,549         | 2,712               | 16,261           |
| Furnishings                      | 13,772         | 2,623               | 16,395           |
| Miscellaneous                    | 148            | 0                   | 148              |
| Utilities                        | 53,512         | 6,740               | 60,252           |
| Maintenance                      | 76,952         | 9,376               | 86,328           |
| Leasing                          | 62,153         | 362                 | 62,515           |
| Privatization                    | 14,118         | 7,649               | 21,767           |
| <b>Appropriation Request</b>     | <b>279,723</b> | <b>34,813</b>       | <b>314,536</b>   |
| Reimbursements                   | 16,000         | 1,706               | 17,706           |
| <b>Sub-total FH Operations</b>   | <b>295,723</b> | <b>36,519</b>       | <b>332,242</b>   |
| <b>Total FY19 Budget Request</b> | <b>366,678</b> | <b>52,439</b>       | <b>419,117</b>   |

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**DEPARTMENT OF THE NAVY**  
**FH-11 Inventory and Condition of Government-Owned, Family Housing Units**  
**WORLDWIDE**  
**(Number of Dwelling Units in Inventory)**  
**Fiscal Year 2019**

|                                                                                                           | Number of Units - Worldwide |            |            |            |            |            |            |
|-----------------------------------------------------------------------------------------------------------|-----------------------------|------------|------------|------------|------------|------------|------------|
|                                                                                                           | FY 2017                     | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FY 2023    |
| <b>Beginning of FY Adequate Inventory Total</b>                                                           | 6,583                       | 8,347      | 8,223      | 8,238      | 8,128      | 8,110      | 8,154      |
| FCI of 90% to 100% (Good Condition)                                                                       | 4,531                       | 5,204      | 4,858      | 4,412      | 4,008      | 4,087      | 3,947      |
| FCI of 80% to 89% (Fair Condition)                                                                        | 2,052                       | 3,143      | 3,365      | 3,826      | 4,120      | 4,023      | 4,207      |
| <b>Beginning of FY Inadequate Inventory Total</b>                                                         | 1,671                       | 613        | 655        | 632        | 743        | 761        | 717        |
| FCI of 60% to 79% (Poor Condition)                                                                        | 1,583                       | 605        | 655        | 632        | 743        | 761        | 717        |
| FCI of 59% and below (Failing Condition)                                                                  | 88                          | 8          | 0          | 0          | 0          | 0          | 0          |
| <b>Beginning of FY Total Inventory</b>                                                                    | 8,254                       | 8,960      | 8,878      | 8,870      | 8,871      | 8,871      | 8,871      |
| <b>Percent Adequate - Beginning of FY Inventory</b>                                                       | <b>80%</b>                  | <b>93%</b> | <b>93%</b> | <b>93%</b> | <b>92%</b> | <b>91%</b> | <b>92%</b> |
| <b>Inadequate Inventory Reduced Through:</b>                                                              | (1,058)                     | 42         | (23)       | 111        | 18         | (44)       | 18         |
| Construction (MILCON)                                                                                     | (16)                        | (119)      | (104)      | (90)       | (29)       | (197)      | (151)      |
| Maintenance & Repair (O&M)                                                                                | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| Privatization                                                                                             | 0                           | (67)       | 0          | 0          | 0          | 0          | 0          |
| Demolition/Divestiture/Diversion/Conversion                                                               | (13)                        | (22)       | (7)        | 0          | 0          | 0          | 0          |
| Funded by Host Nation                                                                                     | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| Additional Inadequate Units Identified                                                                    | (1,029)                     | 250        | 88         | 201        | 47         | 153        | 169        |
| <b>Adequate Inventory Changes:</b>                                                                        | 719                         | 7          | (1)        | 1          | 0          | 0          | 0          |
| Privatization                                                                                             | 0                           | (57)       | 0          | 0          | 0          | 0          | 0          |
| Loss - Demo/Divestiture/Diversion/Conversion                                                              | (49)                        | (163)      | (1)        | 0          | 0          | 0          | 0          |
| Gain - FHCON/Host Nation/Diversion/Conversion                                                             | 768                         | 227        | 0          | 1          | 0          | 0          | 0          |
| <b>End of FY Adequate Inventory Total</b>                                                                 | 8,347                       | 8,223      | 8,238      | 8,128      | 8,110      | 8,154      | 8,136      |
| FCI of 90% to 100% (Good Condition)                                                                       | 5,204                       | 4,858      | 4,412      | 4,008      | 4,087      | 3,947      | 4,075      |
| FCI of 80% to 89% (Fair Condition)                                                                        | 3,143                       | 3,365      | 3,826      | 4,120      | 4,023      | 4,207      | 4,061      |
| <b>End of FY Inadequate Inventory Total</b>                                                               | 613                         | 655        | 632        | 743        | 761        | 717        | 735        |
| FCI of 60% to 79% (Poor Condition)                                                                        | 605                         | 655        | 632        | 743        | 761        | 717        | 735        |
| FCI of 59% and below (Failing Condition)                                                                  | 8                           | 0          | 0          | 0          | 0          | 0          | 0          |
| <b>End of FY Total Inventory</b>                                                                          | 8,960                       | 8,878      | 8,870      | 8,871      | 8,871      | 8,871      | 8,871      |
| <b>Percent Adequate - End of FY Inventory</b>                                                             | <b>93%</b>                  | <b>93%</b> | <b>93%</b> | <b>92%</b> | <b>91%</b> | <b>92%</b> | <b>92%</b> |
| <b>DoD Performance Goal - 90% of World-wide inventory at FCI of at least 80% (Good or Fair Condition)</b> | <b>90%</b>                  | <b>90%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> |

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**DEPARTMENT OF THE NAVY, NAVY**  
**FH-11 Inventory and Condition<sup>1</sup> of Government-Owned, Family Housing Units**  
**WORLDWIDE**  
**(Number of Dwelling Units in Inventory)**  
**Fiscal Year 2019**

|                                                                                                           | Number of Units - Worldwide |            |            |            |            |            |            |
|-----------------------------------------------------------------------------------------------------------|-----------------------------|------------|------------|------------|------------|------------|------------|
|                                                                                                           | FY 2017                     | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FY 2023    |
| <b>Beginning of FY Adequate Inventory Total</b>                                                           | 5,632                       | 6,612      | 6,509      | 6,495      | 6,360      | 6,313      | 6,332      |
| FCI of 90% to 100% (Good Condition)                                                                       | 3,767                       | 3,675      | 3,266      | 2,867      | 2,556      | 2,650      | 2,485      |
| FCI of 80% to 89% (Fair Condition)                                                                        | 1,865                       | 2,937      | 3,243      | 3,628      | 3,804      | 3,663      | 3,847      |
| <b>Beginning of FY Inadequate Inventory Total</b>                                                         | 1,609                       | 567        | 501        | 507        | 643        | 690        | 671        |
| FCI of 60% to 79% (Poor Condition)                                                                        | 1,521                       | 559        | 501        | 507        | 643        | 690        | 671        |
| FCI of 59% and below (Failing Condition)                                                                  | 88                          | 8          | 0          | 0          | 0          | 0          | 0          |
| <b>Beginning of FY Total Inventory</b>                                                                    | 7,241                       | 7,179      | 7,010      | 7,002      | 7,003      | 7,003      | 7,003      |
| <b>Percent Adequate - Beginning of FY Inventory</b>                                                       | <b>78%</b>                  | <b>92%</b> | <b>93%</b> | <b>93%</b> | <b>91%</b> | <b>90%</b> | <b>90%</b> |
| <b>Inadequate Inventory Reduced Through:</b>                                                              | (1,042)                     | (66)       | 6          | 136        | 47         | (19)       | 47         |
| Construction (MILCON)                                                                                     | 0                           | (95)       | (75)       | (65)       | 0          | (172)      | (122)      |
| Maintenance & Repair (O&M)                                                                                | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| Privatization                                                                                             | 0                           | (67)       | 0          | 0          | 0          | 0          | 0          |
| Demolition/Divestiture/Diversion/Conversion                                                               | (13)                        | (22)       | (7)        | 0          | 0          | 0          | 0          |
| Funded by Host Nation                                                                                     | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| Additional Inadequate Units Identified <sup>2</sup>                                                       | (1,029)                     | 118        | 88         | 201        | 47         | 153        | 169        |
| <b>Adequate Inventory Changes:</b>                                                                        | (49)                        | (80)       | (1)        | 1          | 0          | 0          | 0          |
| Privatization                                                                                             | 0                           | (57)       | 0          | 0          | 0          | 0          | 0          |
| Loss - Demo/Divestiture/Diversion/Conversion                                                              | (49)                        | (163)      | (1)        | 0          | 0          | 0          | 0          |
| Gain - FHCON/Host Nation/Diversion/Conversion                                                             | 0                           | 140        | 0          | 1          | 0          | 0          | 0          |
| <b>End of FY Adequate Inventory Total</b>                                                                 | 6,612                       | 6,509      | 6,495      | 6,360      | 6,313      | 6,332      | 6,285      |
| FCI of 90% to 100% (Good Condition)                                                                       | 3,675                       | 3,266      | 2,867      | 2,556      | 2,650      | 2,485      | 2,584      |
| FCI of 80% to 89% (Fair Condition)                                                                        | 2,937                       | 3,243      | 3,628      | 3,804      | 3,663      | 3,847      | 3,701      |
| <b>End of FY Inadequate Inventory Total</b>                                                               | 567                         | 501        | 507        | 643        | 690        | 671        | 718        |
| FCI of 60% to 79% (Poor Condition)                                                                        | 559                         | 501        | 507        | 643        | 690        | 671        | 718        |
| FCI of 59% and below (Failing Condition)                                                                  | 8                           | 0          | 0          | 0          | 0          | 0          | 0          |
| <b>End of FY Total Inventory</b>                                                                          | 7,179                       | 7,010      | 7,002      | 7,003      | 7,003      | 7,003      | 7,003      |
| <b>Percent Adequate - End of FY Inventory</b>                                                             | <b>92%</b>                  | <b>93%</b> | <b>93%</b> | <b>91%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> |
| <b>DoD Performance Goal - 90% of World-wide inventory at FCI of at least 80% (Good or Fair Condition)</b> | <b>90%</b>                  | <b>90%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> |

**NOTE:**

1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable).

2 - Condition Assessments are conducted on a rolling basis. As results are received, condition ratings are updated. This can result in homes previously identified as "Adequate" being re-rated as "Inadequate" and vice versa.

**Explanation of Navy's Housing Investment Strategy**

Beginning in 2017, the Navy, at the direction of OSD, began utilizing the Sustainment Management System (SMS) to calculate the condition index of its family housing units. As a result of this conversion to a new asset management program, the Navy saw substantial increases in the number of homes considered to be adequate, with the EOY adequacy percentage jumping from 78% as of EOY16 to 92% as of EOY17. From FY 2018 to FY 2023, the Navy will address an additional 625 inadequate homes through various methods. This reduction is offset by a corresponding growth of 776 inadequate homes, based on modeled degradation, over the same period. However, based on current investment, the Navy is able to maintain the OSD goal of 90% of our homes as adequate over the entire FYDP.

**DEPARTMENT OF THE NAVY, NAVY**  
**FH-11 Inventory and Condition<sup>1</sup> of Government-Owned, Family Housing Units**  
**UNITED STATES (CONUS plus Hawaii and Alaska)**  
**(Number of Dwelling Units in Inventory)**  
**Fiscal Year 2019**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Number of Units - U.S. |         |         |         |         |         |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------|---------|---------|---------|---------|---------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FY 2017                | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 |
| <b>Beginning of FY Adequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 77                     | 92      | 18      | 18      | 18      | 18      | 18      |
| FCI of 90% to 100% (Good Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 19                     | 76      | 16      | 16      | 16      | 16      | 17      |
| FCI of 80% to 89% (Fair Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 58                     | 16      | 2       | 2       | 2       | 2       | 1       |
| <b>Beginning of FY Inadequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 105                    | 90      | 1       | 0       | 0       | 0       | 0       |
| FCI of 60% to 79% (Poor Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 92                     | 82      | 1       | 0       | 0       | 0       | 0       |
| FCI of 59% and below (Failing Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 13                     | 8       | 0       | 0       | 0       | 0       | 0       |
| <b>Beginning of FY Total Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 182                    | 182     | 19      | 18      | 18      | 18      | 18      |
| <b>Percent Adequate - Beginning of FY Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 42%                    | 51%     | 95%     | 100%    | 100%    | 100%    | 100%    |
| <b>Inadequate Inventory Reduced Through:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (15)                   | (89)    | (1)     | 0       | 0       | 0       | 0       |
| Construction (MILCON)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Maintenance & Repair (O&M)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Privatization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                      | (67)    | 0       | 0       | 0       | 0       | 0       |
| Demolition/Divestiture/Diversion/Conversion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                      | (22)    | (1)     | 0       | 0       | 0       | 0       |
| Funded by Host Nation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Additional Inadequate Units Identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (15)                   | 0       | 0       | 0       | 0       | 0       | 0       |
| <b>Adequate Inventory Changes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0                      | (74)    | 0       | 0       | 0       | 0       | 0       |
| Privatization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                      | (57)    | 0       | 0       | 0       | 0       | 0       |
| Loss - Demo/Divestiture/Diversion/Conversion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                      | (17)    | 0       | 0       | 0       | 0       | 0       |
| Gain - FHCON/Host Nation/Diversion/Conversion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| <b>End of FY Adequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 92                     | 18      | 18      | 18      | 18      | 18      | 18      |
| FCI of 90% to 100% (Good Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 76                     | 16      | 16      | 16      | 16      | 17      | 17      |
| FCI of 80% to 89% (Fair Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 16                     | 2       | 2       | 2       | 2       | 1       | 1       |
| <b>End of FY Inadequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 90                     | 1       | 0       | 0       | 0       | 0       | 0       |
| FCI of 60% to 79% (Poor Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 82                     | 1       | 0       | 0       | 0       | 0       | 0       |
| FCI of 59% and below (Failing Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8                      | 0       | 0       | 0       | 0       | 0       | 0       |
| <b>End of FY Total Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 182                    | 19      | 18      | 18      | 18      | 18      | 18      |
| <b>Percent Adequate - End of FY Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 51%                    | 95%     | 100%    | 100%    | 100%    | 100%    | 100%    |
| NOTE:<br>1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable). |                        |         |         |         |         |         |         |

**DEPARTMENT OF THE NAVY, NAVY**  
**FH-11 Inventory and Condition<sup>1</sup> of Government-Owned, Family Housing Units**  
**FOREIGN (includes U.S. Territories)**  
**(Number of Dwelling Units in Inventory)**  
**Fiscal Year 2019**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Number of Units - Foreign |            |            |            |            |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|------------|------------|------------|------------|------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FY 2017                   | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FY 2023    |
| <b>Beginning of FY Adequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5,555                     | 6,520      | 6,491      | 6,477      | 6,342      | 6,295      | 6,314      |
| FCI of 90% to 100% (Good Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3,748                     | 3,599      | 3,250      | 2,851      | 2,540      | 2,634      | 2,468      |
| FCI of 80% to 89% (Fair Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1,807                     | 2,921      | 3,241      | 3,626      | 3,802      | 3,661      | 3,846      |
| <b>Beginning of FY Inadequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1,504                     | 477        | 500        | 507        | 643        | 690        | 671        |
| FCI of 60% to 79% (Poor Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1,429                     | 477        | 500        | 507        | 643        | 690        | 671        |
| FCI of 59% and below (Failing Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 75                        | 0          | 0          | 0          | 0          | 0          | 0          |
| <b>Beginning of FY Total Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7,059                     | 6,997      | 6,991      | 6,984      | 6,985      | 6,985      | 6,985      |
| <b>Percent Adequate - Beginning of FY Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>79%</b>                | <b>93%</b> | <b>93%</b> | <b>93%</b> | <b>91%</b> | <b>90%</b> | <b>90%</b> |
| <b>Inadequate Inventory Reduced Through:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (1,027)                   | 23         | 7          | 136        | 47         | (19)       | 47         |
| Construction (MILCON)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0                         | (95)       | (75)       | (65)       | 0          | (172)      | (122)      |
| Maintenance & Repair (O&M)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| Privatization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| Demolition/Divestiture/Diversion/Conversion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (13)                      | 0          | (6)        | 0          | 0          | 0          | 0          |
| Funded by Host Nation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| Additional Inadequate Units Identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (1,014)                   | 118        | 88         | 201        | 47         | 153        | 169        |
| <b>Adequate Inventory Changes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (49)                      | (6)        | (1)        | 1          | 0          | 0          | 0          |
| Privatization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| Loss - Demo/Divestiture/Diversion/Conversion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (49)                      | (146)      | (1)        | 0          | 0          | 0          | 0          |
| Gain - FHCON/Host Nation/Diversion/Conversion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                         | 140        | 0          | 1          | 0          | 0          | 0          |
| <b>End of FY Adequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6,520                     | 6,491      | 6,477      | 6,342      | 6,295      | 6,314      | 6,267      |
| FCI of 90% to 100% (Good Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3,599                     | 3,250      | 2,851      | 2,540      | 2,634      | 2,468      | 2,567      |
| FCI of 80% to 89% (Fair Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2,921                     | 3,241      | 3,626      | 3,802      | 3,661      | 3,846      | 3,700      |
| <b>End of FY Inadequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 477                       | 500        | 507        | 643        | 690        | 671        | 718        |
| FCI of 60% to 79% (Poor Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 477                       | 500        | 507        | 643        | 690        | 671        | 718        |
| FCI of 59% and below (Failing Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| <b>End of FY Total Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6,997                     | 6,991      | 6,984      | 6,985      | 6,985      | 6,985      | 6,985      |
| <b>Percent Adequate - End of FY Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>93%</b>                | <b>93%</b> | <b>93%</b> | <b>91%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> |
| NOTE:<br>1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable). |                           |            |            |            |            |            |            |

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**Department of the Navy  
Family Housing, Navy  
Annual Inadequate Family Housing Units Elimination**

|                                                                                                                | <b>Total<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Addressed</b> |
|----------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|-------------------------------------------|
| <b>Total Units at beginning of FY 2017</b>                                                                     | <b>7,241</b>               | <b>1,609</b>                              | <b>0</b>                                  |
| <b>FY 2017 total traditional military construction (MILCON) projects to eliminate inadequate housing units</b> | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>FY 2017 total units privatized (no longer require FH O&amp;M) to eliminate inadequate housing</b>           | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>FY 2017 total units demolished/divested or otherwise permanently removed from family housing inventory</b>  | <b>(62)</b>                | <b>0</b>                                  | <b>13</b>                                 |
| NSA Andersen, Guam (Demolition - On-Base)                                                                      | (14)                       | 352                                       | 13                                        |
| CFA Yokosuka, Japan (Conversion to UH)                                                                         | (48)                       | 0                                         | 0                                         |
| <b>2017 Condition Assessment Adjustment<sup>1</sup></b>                                                        | <b>0</b>                   | <b>1,029</b>                              | <b>0</b>                                  |
| <b>Total Units at end of FY 2017</b>                                                                           | <b>7,179</b>               | <b>567</b>                                | <b>13</b>                                 |

<sup>1</sup> Beginning in 2017, the Navy, at the direction of OSD, began utilizing the Sustainment Management System (SMS) to calculate the condition index of its family housing units. As a result of this conversion to a new asset management program, the Navy saw substantial increases in the number of homes considered to be adequate, with the EOY adequacy percentage jumping from 78% as of EOY16 to 92% as of EOY17.

**Department of the Navy  
Family Housing, Navy  
Annual Inadequate Family Housing Units Elimination**

|                                                                                                                | <b>Total<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Addressed</b> |
|----------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|-------------------------------------------|
| <b>Total Units at beginning of FY 2018</b>                                                                     | <b>7,179</b>               | <b>567</b>                                | <b>0</b>                                  |
| <b>FY 2018 total traditional military construction (MILCON) projects to eliminate inadequate housing units</b> | <b>0</b>                   | <b>0</b>                                  | <b>95</b>                                 |
| H-280; NSA Andersen, Guam (New Construction)                                                                   | 574                        | 242                                       | 28                                        |
| HR-18-01; NS Rota, Spain (Improvement Construction)                                                            | 367                        | 75                                        | 67                                        |
| HW-16-02; SCSC Wallops Island, VA **Delayed from FY16**                                                        | 20                         | 0                                         | 0                                         |
| <b>FY 2018 total units privatized (no longer require FH O&amp;M) to eliminate inadequate housing</b>           | <b>124</b>                 | <b>89</b>                                 | <b>67</b>                                 |
| N/A; San Diego PH IV (Ventura, CA)                                                                             | 124                        | 89                                        | 67                                        |
| <b>FY 2018 total units demolished/divested or otherwise permanently removed from family housing inventory</b>  | <b>(45)</b>                | <b>0</b>                                  | <b>22</b>                                 |
| NB Ventura County, CA (Demolition)                                                                             | (33)                       | 89                                        | 22                                        |
| SCSC Wallops Island, VA (Conversion - Skeeter Lane)                                                            | (5)                        | 0                                         | 0                                         |
| Joint Base Bolling-Anacostia, DC (Divestiture)                                                                 | (1)                        | 0                                         | 0                                         |
| NB Guam, Guam (Divestiture - Apra Palms)                                                                       | (146)                      | 0                                         | 0                                         |
| H-279; NSA Andersen, Guam (New Construction) **Delayed from FY17**                                             | 126                        | 0                                         | 0                                         |
| H-280; NSA Andersen, Guam (New Construction)                                                                   | 14                         | 0                                         | 0                                         |
| <b>2018 Condition Assessment Adjustment<sup>1</sup></b>                                                        | <b>0</b>                   | <b>(118)</b>                              | <b>0</b>                                  |
| <b>Total Units at end of FY 2018</b>                                                                           | <b>7,010</b>               | <b>501</b>                                | <b>184</b>                                |

<sup>1</sup> Condition Assessment Adjustments are based on current year adequacy ratings, factoring in planned maintenance and a constant degradation factor. In FY 2018, projections indicate that the condition of 118 units in current inventory will shift from "adequate" to "inadequate."



**Department of the Navy  
Family Housing, Navy  
Annual Inadequate Family Housing Units Elimination**

|                                                                                                                | <b>Total<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Addressed</b> |
|----------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|-------------------------------------------|
| <b>Total Units at beginning of FY 2019</b>                                                                     | <b>7,010</b>               | <b>501</b>                                | <b>0</b>                                  |
| <b>FY 2019 total traditional military construction (MILCON) projects to eliminate inadequate housing units</b> | <b>0</b>                   | <b>0</b>                                  | <b>75</b>                                 |
| H-282; NSA Andersen, Guam (New Construction)                                                                   | 714                        | 273                                       | 75                                        |
| <b>FY 2019 total units privatized (no longer require FH O&amp;M) to eliminate inadequate housing</b>           |                            |                                           |                                           |
| <b>FY 2019 total units demolished/divested or otherwise permanently removed from family housing inventory</b>  | <b>(8)</b>                 | <b>0</b>                                  | <b>7</b>                                  |
| NC Corpus Christi, TX (Demolition - On-Base)                                                                   | (1)                        | 1                                         | 1                                         |
| NSA Andersen, Guam (Demolition - On-Base)                                                                      | (7)                        | 273                                       | 6                                         |
| <b>2019 Condition Assessment Adjustment<sup>1</sup></b>                                                        | <b>0</b>                   | <b>(88)</b>                               | <b>0</b>                                  |
| <b>Total Units at end of FY 2019</b>                                                                           | <b>7,002</b>               | <b>507</b>                                | <b>82</b>                                 |

<sup>1</sup> Condition Assessment Adjustments are based on current year adequacy ratings, factoring in planned maintenance and a constant degradation factor. In FY 2019, projections indicate that the condition of 88 units in current inventory will shift from "adequate" to "inadequate."

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**DEPARTMENT OF THE NAVY, Marine Corps**  
**FH-11 Inventory and Condition<sup>1</sup> of Government-Owned, Family Housing Units**  
**WORLDWIDE**  
**(Number of Dwelling Units in Inventory)**  
**Fiscal Year 2019**

|                                                                                                           | Number of Units - Worldwide |            |            |            |            |            |            |
|-----------------------------------------------------------------------------------------------------------|-----------------------------|------------|------------|------------|------------|------------|------------|
|                                                                                                           | FY 2017                     | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FY2023     |
| <b>Beginning of FY Adequate Inventory Total</b>                                                           | 951                         | 1,735      | 1,714      | 1,743      | 1,768      | 1,797      | 1,822      |
| FCI of 90% to 100% (Good Condition)                                                                       | 764                         | 1,529      | 1,592      | 1,545      | 1,452      | 1,437      | 1,462      |
| FCI of 80% to 89% (Fair Condition)                                                                        | 187                         | 206        | 122        | 198        | 316        | 360        | 360        |
| <b>Beginning of FY Inadequate Inventory Total</b>                                                         | 62                          | 46         | 154        | 125        | 100        | 71         | 46         |
| FCI of 60% to 79% (Poor Condition)                                                                        | 62                          | 46         | 154        | 125        | 100        | 71         | 46         |
| FCI of 59% and below (Failing Condition)                                                                  | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| <b>Beginning of FY Total Inventory</b>                                                                    | 1,013                       | 1,781      | 1,868      | 1,868      | 1,868      | 1,868      | 1,868      |
| <b>Percent Adequate - Beginning of FY Inventory</b>                                                       | <b>94%</b>                  | <b>97%</b> | <b>92%</b> | <b>93%</b> | <b>95%</b> | <b>96%</b> | <b>98%</b> |
| <b>Inadequate Inventory Reduced Through:</b>                                                              | (16)                        | 108        | (29)       | (25)       | (29)       | (25)       | (29)       |
| Construction (MILCON)                                                                                     | (16)                        | (24)       | (29)       | (25)       | (29)       | (25)       | (29)       |
| Maintenance & Repair (O&M)                                                                                | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| Privatization                                                                                             | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| Demolition/Divestiture/Diversion/Conversion                                                               | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| Funded by Host Nation                                                                                     | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| Additional Inadequate Units Identified <sup>2</sup>                                                       | 0                           | 132        | 0          | 0          | 0          | 0          | 0          |
| <b>Adequate Inventory Changes:</b>                                                                        | 768                         | 87         | 0          | 0          | 0          | 0          | 0          |
| Privatization                                                                                             | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| Loss - Demo/Divestiture/Diversion/Conversion                                                              | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| Gain - Host Nation/Diversion/Conversion                                                                   | 768                         | 87         | 0          | 0          | 0          | 0          | 0          |
| <b>End of FY Adequate Inventory Total</b>                                                                 | 1,735                       | 1,714      | 1,743      | 1,768      | 1,797      | 1,822      | 1,851      |
| FCI of 90% to 100% (Good Condition)                                                                       | 1,529                       | 1,592      | 1,545      | 1,452      | 1,437      | 1,462      | 1,491      |
| FCI of 80% to 89% (Fair Condition)                                                                        | 206                         | 122        | 198        | 316        | 360        | 360        | 360        |
| <b>End of FY Inadequate Inventory Total</b>                                                               | 46                          | 154        | 125        | 100        | 71         | 46         | 17         |
| FCI of 60% to 79% (Poor Condition)                                                                        | 46                          | 154        | 125        | 100        | 71         | 46         | 17         |
| FCI of 59% and below (Failing Condition)                                                                  | 0                           | 0          | 0          | 0          | 0          | 0          | 0          |
| <b>End of FY Total Inventory</b>                                                                          | 1,781                       | 1,868      | 1,868      | 1,868      | 1,868      | 1,868      | 1,868      |
| <b>Percent Adequate - End of FY Inventory</b>                                                             | <b>97%</b>                  | <b>92%</b> | <b>93%</b> | <b>95%</b> | <b>96%</b> | <b>98%</b> | <b>99%</b> |
| <b>DoD Performance Goal - 90% of World-wide inventory at FCI of at least 80% (Good or Fair Condition)</b> | <b>90%</b>                  | <b>90%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> | <b>90%</b> |

**NOTE:**

1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable).

2 - Condition Assessments are conducted on a rolling basis. As results are received, condition ratings are updated. This can result in homes previously identified as "Adequate" being re-rated as "Inadequate" and vice versa.

**DEPARTMENT OF THE NAVY, Marine Corps**  
**FH-11 Inventory and Condition<sup>1</sup> of Government-Owned, Family Housing Units**  
**UNITED STATES (CONUS plus Hawaii and Alaska)**  
**(Number of Dwelling Units in Inventory)**  
**Fiscal Year 2019**

|                                                     | Number of Units - U.S. |         |         |         |         |         |         |
|-----------------------------------------------------|------------------------|---------|---------|---------|---------|---------|---------|
|                                                     | FY 2017                | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 |
| <b>Beginning of FY Adequate Inventory Total</b>     | 80                     | 80      | 80      | 80      | 80      | 80      | 80      |
| FCI of 90% to 100% (Good Condition)                 | 76                     | 76      | 76      | 76      | 2       | 2       | 2       |
| FCI of 80% to 89% (Fair Condition)                  | 4                      | 4       | 4       | 4       | 78      | 78      | 78      |
| <b>Beginning of FY Inadequate Inventory Total</b>   | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| FCI of 60% to 79% (Poor Condition)                  | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| FCI of 59% and below (Failing Condition)            | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| <b>Beginning of FY Total Inventory</b>              | 80                     | 80      | 80      | 80      | 80      | 80      | 80      |
| <b>Percent Adequate - Beginning of FY Inventory</b> | 100%                   | 100%    | 100%    | 100%    | 100%    | 100%    | 100%    |
| <b>Inadequate Inventory Reduced Through:</b>        | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Construction (MILCON)                               | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Maintenance & Repair (O&M)                          | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Privatization                                       | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Demolition/Divestiture/Diversion/Conversion         | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Funded by Host Nation                               | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Additional Inadequate Units Identified              | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| <b>Adequate Inventory Changes:</b>                  | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Privatization                                       | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Loss - Demo/Divestiture/Diversion/Conversion        | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| Gain - Host Nation/Diversion/Conversion             | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| <b>End of FY Adequate Inventory Total</b>           | 80                     | 80      | 80      | 80      | 80      | 80      | 80      |
| FCI of 90% to 100% (Good Condition)                 | 76                     | 76      | 76      | 2       | 2       | 2       | 2       |
| FCI of 80% to 89% (Fair Condition)                  | 4                      | 4       | 4       | 78      | 78      | 78      | 78      |
| <b>End of FY Inadequate Inventory Total</b>         | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| FCI of 60% to 79% (Poor Condition)                  | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| FCI of 59% and below (Failing Condition)            | 0                      | 0       | 0       | 0       | 0       | 0       | 0       |
| <b>End of FY Total Inventory</b>                    | 80                     | 80      | 80      | 80      | 80      | 80      | 80      |
| <b>Percent Adequate - End of FY Inventory</b>       | 100%                   | 100%    | 100%    | 100%    | 100%    | 100%    | 100%    |

**NOTE:**

1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable).

**DEPARTMENT OF THE NAVY, Marine Corps**  
**FH-11 Inventory and Condition<sup>1</sup> of Government-Owned, Family Housing Units**  
**FOREIGN (includes U.S. Territories)**  
**(Number of Dwelling Units in Inventory)**  
**Fiscal Year 2019**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Number of Units - Foreign |            |            |            |            |            |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|------------|------------|------------|------------|------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FY 2017                   | FY 2018    | FY 2019    | FY 2020    | FY 2021    | FY 2022    | FY 2023    |
| <b>Beginning of FY Adequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 871                       | 1,655      | 1,634      | 1,663      | 1,688      | 1,717      | 1,742      |
| FCI of 90% to 100% (Good Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 688                       | 1,453      | 1,516      | 1,469      | 1,450      | 1,435      | 1,460      |
| FCI of 80% to 89% (Fair Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 183                       | 202        | 118        | 194        | 238        | 282        | 282        |
| <b>Beginning of FY Inadequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 62                        | 46         | 154        | 125        | 100        | 71         | 46         |
| FCI of 60% to 79% (Poor Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 62                        | 46         | 154        | 125        | 100        | 71         | 46         |
| FCI of 59% and below (Failing Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| <b>Beginning of FY Total Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 933                       | 1,701      | 1,788      | 1,788      | 1,788      | 1,788      | 1,788      |
| <b>Percent Adequate - Beginning of FY Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>93%</b>                | <b>97%</b> | <b>91%</b> | <b>93%</b> | <b>94%</b> | <b>96%</b> | <b>97%</b> |
| <b>Inadequate Inventory Reduced Through:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (16)                      | 108        | (29)       | (25)       | (29)       | (25)       | (29)       |
| Construction (MILCON)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (16)                      | (24)       | (29)       | (25)       | (29)       | (25)       | (29)       |
| Maintenance & Repair (O&M)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| Privatization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| Demolition/Divestiture/Diversion/Conversion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| Funded by Host Nation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| Additional Inadequate Units Identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0                         | 132        | 0          | 0          | 0          | 0          | 0          |
| <b>Adequate Inventory Changes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 768                       | 87         | 0          | 0          | 0          | 0          | 0          |
| Privatization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| Loss - Demo/Divestiture/Diversion/Conversion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| Gain - Host Nation/Diversion/Conversion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 768                       | 87         | 0          | 0          | 0          | 0          | 0          |
| <b>End of FY Adequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1,655                     | 1,634      | 1,663      | 1,688      | 1,717      | 1,742      | 1,771      |
| FCI of 90% to 100% (Good Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1,453                     | 1,516      | 1,469      | 1,450      | 1,435      | 1,460      | 1,489      |
| FCI of 80% to 89% (Fair Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 202                       | 118        | 194        | 238        | 282        | 282        | 282        |
| <b>End of FY Inadequate Inventory Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 46                        | 154        | 125        | 100        | 71         | 46         | 17         |
| FCI of 60% to 79% (Poor Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 46                        | 154        | 125        | 100        | 71         | 46         | 17         |
| FCI of 59% and below (Failing Condition)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0                         | 0          | 0          | 0          | 0          | 0          | 0          |
| <b>End of FY Total Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1,701                     | 1,788      | 1,788      | 1,788      | 1,788      | 1,788      | 1,788      |
| <b>Percent Adequate - End of FY Inventory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>97%</b>                | <b>91%</b> | <b>93%</b> | <b>94%</b> | <b>96%</b> | <b>97%</b> | <b>99%</b> |
| NOTE:<br>1 - The Facility Condition Index (FCI) represents the ratio of the estimated maintenance and repair requirements (M&R) to Plant Replacement Value. M&R requirements consist of that work necessary to ensure that a constructed asset is restored to a condition substantially equivalent to the originally intended and designed capacity, efficiency, or capability. FCI is expressed as a percentage between 100% (no deficiencies) to 0% (every building component/system deficient - most likely uninhabitable). |                           |            |            |            |            |            |            |

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**Department of the Navy  
Family Housing, Marine Corps  
Annual Inadequate Family Housing Units Elimination**

|                                                                                                                | <b>Total<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Addressed</b> |
|----------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|-------------------------------------------|
| <b>Total Units at beginning of FY 2017</b>                                                                     | <b>1,013</b>               | <b>62</b>                                 | <b>0</b>                                  |
| <b>FY 2017 total traditional military construction (MILCON) projects to eliminate inadequate housing units</b> | <b>0</b>                   | <b>16</b>                                 | <b>16</b>                                 |
| IW-H-1701-R2; MCAS Iwakuni, JA                                                                                 | 0                          | 16                                        | 16                                        |
| <b>FY 2017 total units privatized (no longer require FH O&amp;M) to eliminate inadequate housing</b>           | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>FY 2017 total units demolished/divested or otherwise permanently removed from family housing inventory</b>  | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>Other Inventory Gains/Losses<sup>1</sup></b>                                                                | <b>768</b>                 | <b>0</b>                                  | <b>0</b>                                  |
| <b>2017 Condition Assessment Adjustment<sup>2</sup></b>                                                        | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>Total Units at end of FY 2017</b>                                                                           | <b>1,781</b>               | <b>46</b>                                 | <b>24</b>                                 |

<sup>1</sup> Other Inventory Gains/Losses includes the addition of 768 new units being constructed by the Government of Japan in Iwakuni in support of Global Restationing.

<sup>2</sup> The Marine Corps conducts forward-looking assessments to project the requirement for improvements. These requirements are used to ensure adequate funding is available to prevent excessive units from becoming inadequate. Additional homes with a facility condition index below 80% (poor/failing condition) are not identified until the year of the projected requirement and remain inadequate only if renovations are not accomplished by the required date.

**Department of the Navy  
Family Housing, Marine Corps  
Annual Inadequate Family Housing Units Elimination**

|                                                                                                                | <b>Total<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Addressed</b> |
|----------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|-------------------------------------------|
| <b>Total Units at beginning of FY 2018</b>                                                                     | <b>1,781</b>               | <b>46</b>                                 | <b>0</b>                                  |
| <b>FY 2018 total traditional military construction (MILCON) projects to eliminate inadequate housing units</b> | <b>0</b>                   | <b>24</b>                                 | <b>24</b>                                 |
| IW-H-1702-R2; MCAS Iwakuni, JA                                                                                 | 0                          | 24                                        | 24                                        |
| <b>FY 2018 total units privatized (no longer require FH O&amp;M) to eliminate inadequate housing</b>           | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>FY 2018 total units demolished/divested or otherwise permanently removed from family housing inventory</b>  | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>Other Inventory Gains/Losses<sup>1</sup></b>                                                                | <b>87</b>                  | <b>0</b>                                  | <b>0</b>                                  |
| <b>2018 Condition Assessment Adjustment<sup>2</sup></b>                                                        | <b>0</b>                   | <b>132</b>                                | <b>0</b>                                  |
| <b>Total Units at end of FY 2018</b>                                                                           | <b>1,868</b>               | <b>154</b>                                | <b>24</b>                                 |

<sup>1</sup> Other Inventory Gains/Losses includes the addition of 87 new units being constructed by the Government of Japan in Iwakuni in support of Global Restationing.

<sup>2</sup> The Marine Corps conducts forward-looking assessments to project the requirement for improvements. These requirements are used to ensure adequate funding is available to prevent excessive units from becoming inadequate. Additional homes with a facility condition index below 80% (poor/failing condition) are not identified until the year of the projected requirement and remain inadequate only if renovations are not accomplished by the required date.



**Department of the Navy  
Family Housing, Marine Corps  
Annual Inadequate Family Housing Units Elimination**

|                                                                                                                | <b>Total<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Inventory</b> | <b>Total<br/>Inadequate<br/>Addressed</b> |
|----------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|-------------------------------------------|
| <b>Total Units at beginning of FY 2019</b>                                                                     | <b>1,868</b>               | <b>154</b>                                | <b>0</b>                                  |
| <b>FY 2019 total traditional military construction (MILCON) projects to eliminate inadequate housing units</b> | <b>0</b>                   | <b>154</b>                                | <b>0</b>                                  |
| IW-H-1901-R2; MCAS Iwakuni, JA                                                                                 | 0                          | 0                                         | 29                                        |
| <b>FY 2019 total units privatized (no longer require FH O&amp;M) to eliminate inadequate housing</b>           | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>FY 2019 total units demolished/divested or otherwise permanently removed from family housing inventory</b>  | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>Other Inventory Gains/Losses</b>                                                                            | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>2019 Condition Assessment Adjustment<sup>1</sup></b>                                                        | <b>0</b>                   | <b>0</b>                                  | <b>0</b>                                  |
| <b>Total Units at end of FY 2019</b>                                                                           | <b>1,868</b>               | <b>125</b>                                | <b>29</b>                                 |

<sup>1</sup> The Marine Corps conducts forward-looking assessments to project the requirement for improvements. These requirements are used to ensure adequate funding is available to prevent excessive units from becoming inadequate. Additional homes with a facility condition index below 80% (poor/failing condition) are not identified until the year of the projected requirement and remain inadequate only if renovations are not accomplished by the required date.

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
AUTHORIZATION AND APPROPRIATION LANGUAGE

FY19 AUTHORIZATION LANGUAGE

SEC.2202. FAMILY HOUSING

(a) CONSTRUCTION AND ACQUISITION.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may construct or acquire family housing units (including land acquisition and supporting facilities) at the installation or location, in the number of units, and in the amounts set forth in the following table:

Navy: Family Housing

| State | Installation | Units                           | Amount       |
|-------|--------------|---------------------------------|--------------|
| Guam  | NSA Andersen | Family Housing New Construction | \$83,441,000 |

(b) PLANNING AND DESIGN.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed [\$4,418,000] \$4,502,000.

SEC.2203. IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may improve existing military family housing units in an amount not to exceed [\$36,251,000] \$16,638,000.

SEC.2204. AUTHORIZATION OF APPROPRIATIONS, NAVY

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for military construction, land acquisition, and military family housing functions of the Department of the Navy, as specified in the funding table in section 4601.

(b) LIMITATION ON TOTAL COST OF CONSTRUCTION PROJECTS.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2201 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

FY19 APPROPRIATION LANGUAGE

Family Housing Construction, Navy and Marine Corps

For expenses of family housing for the Navy and Marine Corps for construction, including acquisition, replacement, addition, expansion, and extension and alteration, as authorized by law, [\$83,682,000] \$104,581,000 to remain available until September 30, [2022] 2023.

Family Housing Operations and Maintenance, Navy and Marine Corps

For expenses of family housing for the Navy and Marine Corps for operation and maintenance, including debt payment, leasing, and minor construction as authorized by law, [\$328,282,000] \$314,536,000.

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
CONSTRUCTION OF NEW HOUSING

(\$000)

FY 2019 Budget Request     \$ 83,441  
FY 2018 Program Budget     \$ 43,013

Purpose and Scope

This program provides for land acquisition, site preparation, acquisition and construction, and initial outfitting with fixtures and integral equipment of new and replacement family housing units and associated facilities such as roads, driveways, walks, and utility systems.

Program Summary

Authorization is requested for:

(1) Construction of new housing at Naval Support Activity Andersen, Guam and;

(2) Appropriation of \$83,441,000 to fund this construction program.

| <u>Activity</u>    | <u>Mission</u> | <u>No. of Homes</u> | <u>Amount (\$000)</u> |
|--------------------|----------------|---------------------|-----------------------|
| NSA Andersen, Guam | Current        | <u>96</u>           | <u>\$ 83,441</u>      |
| <b>Total</b>       |                | <b>96</b>           | <b>\$ 83,441</b>      |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FY2019 MILITARY CONSTRUCTION PROJECT DATA |           |      |                    |                |                     | 2. Date<br>08 JAN 2018               |                      |     |                  |       |
| 3. Installation and Location<br>ANDERSEN NAVAL SUPPORT ACTIVITY<br>GUAM, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |           |      | 4. Command<br>CNIC |                |                     | 5. Area Const.<br>Cost Index<br>2.57 |                      |     |                  |       |
| 6. Personnel<br>Strength:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           | PERMANENT |      |                    | STUDENTS       |                     |                                      | SUPPORT              |     |                  | TOTAL |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           | OFF       | ENL  | CIV                | OFF            | ENL                 | CIV                                  | OFF                  | ENL | CIV              |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |           |      |                    |                |                     |                                      |                      |     |                  |       |
| a. As of 09/30/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           | 176       | 1889 | 0                  | 0              | 0                   | 0                                    | 0                    | 0   | 0                | 2,065 |
| b. End FY 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           | 185       | 1947 | 0                  | 0              | 0                   | 0                                    | 0                    | 0   | 0                | 2,132 |
| <b>7. INVENTORY DATA (\$000)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |           |      |                    |                |                     |                                      |                      |     |                  |       |
| a. TOTAL ACREAGE ..... ( 237 Acres) .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |           |      |                    |                |                     |                                      |                      |     |                  |       |
| b. INVENTORY TOTAL AS OF 30 Sep 15 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |           |      |                    |                |                     |                                      |                      |     | 673,170          |       |
| c. AUTHORIZATION NOT YET IN INVENTORY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |           |      |                    |                |                     |                                      |                      |     | 119,690          |       |
| d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |           |      |                    |                |                     |                                      |                      |     | 83,441           |       |
| e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |           |      |                    |                |                     |                                      |                      |     | 0                |       |
| f. PLANNED IN NEXT THREE PROGRAM YEARS .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |           |      |                    |                |                     |                                      |                      |     | 0                |       |
| g. REMAINING DEFICIENCY .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |           |      |                    |                |                     |                                      |                      |     | 165,300          |       |
| <b>h. GRAND TOTAL .....</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |           |      |                    |                |                     |                                      |                      |     | <b>1,041,601</b> |       |
| 8. Projects Requested In This Program:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |           |      |                    |                |                     |                                      |                      |     |                  |       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |           |      |                    |                | Cost                |                                      | <u>Design Status</u> |     |                  |       |
| <u>Code</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>Project Title</u>                      |           |      | <u>Scope</u>       | <u>(\$000)</u> | <u>Start</u>        | <u>Complete</u>                      |                      |     |                  |       |
| 711                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Replace Andersen Housing<br>Ph3           |           |      | 96                 | 83,441         | Turnkey             |                                      |                      |     |                  |       |
| 9. Future Projects:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |           |      |                    |                |                     |                                      |                      |     |                  |       |
| a. Included in the following program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |           |      |                    |                | 0 Replacement Homes |                                      |                      |     |                  |       |
| b. Major planned next three years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |           |      |                    |                | 0 Replacement Homes |                                      |                      |     |                  |       |
| c. Family housing revitalization backlog<br>(replacement, improvements, major repairs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |           |      |                    |                | \$165 M             |                                      |                      |     |                  |       |
| 10. Mission or Major Functions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |           |      |                    |                |                     |                                      |                      |     |                  |       |
| <p>As the host unit at Naval Support Activity Andersen (Joint Region Marianas), Guam, the 36th Wing has an expansive mission that relies on the Team Andersen concept to provide the highest quality peacetime and wartime support to project global power and reach from our vital location in the Pacific. Andersen is home to the 36th Wing, Air Mobility Command's 734th Air Mobility Support Squadron, Naval unit Helicopter Sea Combat Squadron Twenty Five (HSC-25) and several other tenant organizations. NSA Andersen will also support elements of III Marine Expeditionary Force (1st Marine Aircraft Wing units).</p> |                                           |           |      |                    |                |                     |                                      |                      |     |                  |       |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY2019 MILITARY CONSTRUCTION PROJECT DATA</b> |                            |                                                            | 2. Date<br>08 JAN 2018 |
| 3. Installation(SA) and Loc./UIC: N41557<br>NAVAL SUPPORT ACTIVITY<br>ANDERSEN, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  |                            | 4. Project Title<br>REPLACE ANDERSEN HOUSING PH III        |                        |
| 5. Program Element<br>0808741N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6. Category Code<br>711                          | 7. Project Number<br>H-282 | 8. Project Cost(\$000)<br>AUTH: \$83,441<br>APPR: \$83,441 |                        |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |                            |                                                            |                        |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | UM                                               | Quantity                   | Unit Cost                                                  | Cost(\$000)            |
| Family Housing:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FA                                               | 96                         | 540,719                                                    | 51,909                 |
| Buildings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | GSM                                              | 14,916                     | 3,480                                                      | (51,909)               |
| Supporting Costs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |                            |                                                            | 22,919                 |
| Lot Costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |                            |                                                            | (1,895)                |
| Site Improvements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |                            |                                                            | (2,813)                |
| Utility Mains                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |                            |                                                            | (5,721)                |
| Streets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |                            |                                                            | (1,869)                |
| Landscaping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                  |                            |                                                            | (1,215)                |
| Recreation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |                            |                                                            | (571)                  |
| Environmental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |                            |                                                            | (5,315)                |
| Demolition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |                            |                                                            | (3,115)                |
| Other Site Work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |                            |                                                            | (405)                  |
| Land Purchase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |                            |                                                            | (0)                    |
| Subtotal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |                            |                                                            | 74,828                 |
| Contingency (5%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                  |                            |                                                            | 3,741                  |
| Total Contract Cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  |                            |                                                            | 78,569                 |
| SIOH (6.2%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                  |                            |                                                            | 4,871                  |
| Adjustment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |                            |                                                            | 1                      |
| Project Cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  |                            |                                                            | 83,441                 |
| <b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |                            |                                                            |                        |
| <p>This project proposes to construct 48 one-story duplex buildings (96 housing units total) of reinforced concrete and/or pre-cast reinforced concrete typhoon shelter/housing structures. The 48 new duplex buildings replace an equivalent number of old housing units with 82 three-bedroom and 14 four-bedroom family housing units. The new housing units are to be designed vent-less and use hot humid design principles that apply to the Guam environment. These housing unit structures are to be built with reinforced concrete foundations, concrete floors, concrete walls, and concrete sloped roofs designed for 190 MPH wind speed, exposure D, to withstand Guam's frequent typhoons. The structures will also be constructed for Zone 4 seismic conditions. As a safety issue, service members and their families will take shelter in these housing units during typhoons.</p> <p>Other safety and health design issues that will be addressed in this project are as follows: A mechanical radon mitigation system which will comply with Environmental Protection Agency (EPA) &amp; Navy Radon Assessment Mitigation Program (NAVRAMP) standards will be provided in each housing unit. Separate emergency generator hook-up for frequent and long periods</p> |                                                  |                            |                                                            |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |                            |                                                            |                        |
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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>FY2019 MILITARY CONSTRUCTION PROJECT DATA</b> |                            |                                                            | 2. Date<br>08 JAN 2018 |
| 3. Installation(SA) and Loc./UIC: N41557<br>NAVAL SUPPORT ACTIVITY<br>ANDERSEN, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |                            | 4. Project Title<br>REPLACE ANDERSEN HOUSING PH III        |                        |
| 5. Program Element<br>0808741N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6. Category Code<br>711                          | 7. Project Number<br>H-282 | 8. Project Cost(\$000)<br>AUTH: \$83,441<br>APPR: \$83,441 |                        |
| <p>of electrical outages caused by high winds, power outages and typhoons will be provided. This project's housing units shall be EPA certified Energy Star. The project may require chlordane abatement pending final results of soil testing. The new duplexes will provide a significant upgrade in architectural appearance and functionality over the old housing units and will adhere to the density as described in the NSA Andersen Military Family Housing Master Plan (AJJY 14-4018).</p> <p>Exterior Building Features: One car garage with corrosion resistant door opener; concrete driveway/parking; covered screened patio with storm shutters; exterior storage; entrance porch; courtyard with privacy fencing; trash enclosure with gate and trash container tie down ring; 170 mph wind speed exposure D rated garage door, exterior doors, windows, and hinged colonial style storm shutters with polycarbonate protective back sheets; wall coatings that are mildew resistant and self-cleaning; roofing elastomeric membrane system that is mold resistant and self-cleaning; incoming telephone, cable and electrical services to building shall be protected in an exterior closet; mechanical exterior equipment shall be surrounded by solid screen wall and solid gate; exterior envelope of the housing unit to have continuous vapor barrier that goes under slabs on grade, around footings, exterior walls and soffits.</p> <p>Interior Building Features: Certified Energy Star housing, Energy Star rated appliances; energy efficient air conditioning supplemented by dehumidifier; low-flow plumbing fixtures; generator hook-up connection and separate emergency electrical system; fire protection; telephone and internet outlets; cable TV pull boxes; corrosion resistant energy efficient light fixtures; ceiling fans; minimum ceiling height 9'0"; emergency back-up lighting in living/dining areas, hallways, bedrooms and kitchen; ceramic tile flooring; paperless drywall to prevent mold growth; interior spray-on foam insulation for walls and under the roof concrete slab; vertical blinds shall be used on all windows.</p> <p>Site work shall include the installation of underground utilities for water, storm, sewer, power, cable TV, telephone and streetlights. Pad mounted transformers will be stainless steel and have decorative solid concrete enclosures with solid security gates. There will be minimum grading of the sites with roof downspouts connected to the storm drainage system. The project site shall be landscaped upon completion of work and tot lots shall be provided. Provide grading, roads, driveways, sidewalks, curbs, gutters, ramps, street lights, and signage. Construct one bus shelter. Environmental mitigation will include natural and cultural</p> |                                                  |                            |                                                            |                        |

| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY2019 MILITARY CONSTRUCTION PROJECT DATA</b> |                            |                                                            |                                                     | 2. Date<br>08 JAN 2018 |              |           |               |     |     |     |                |              |           |               |       |   |       |       |     |       |         |    |        |       |   |       |       |     |       |         |    |       |                     |  |         |         |        |  |  |    |        |
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| 3. Installation(SA) and Loc./UIC: N41557<br>NAVAL SUPPORT ACTIVITY<br>ANDERSEN, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |                            |                                                            | 4. Project Title<br>REPLACE ANDERSEN HOUSING PH III |                        |              |           |               |     |     |     |                |              |           |               |       |   |       |       |     |       |         |    |        |       |   |       |       |     |       |         |    |       |                     |  |         |         |        |  |  |    |        |
| 5. Program Element<br>0808741N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Category Code<br>711                          | 7. Project Number<br>H-282 | 8. Project Cost(\$000)<br>AUTH: \$83,441<br>APPR: \$83,441 |                                                     |                        |              |           |               |     |     |     |                |              |           |               |       |   |       |       |     |       |         |    |        |       |   |       |       |     |       |         |    |       |                     |  |         |         |        |  |  |    |        |
| <p>resource mitigation, which includes Section 106 requirements and archaeological monitoring, and removal and disposal of unexploded ordnance and munitions and explosives of concern.</p> <table border="1"> <thead> <tr> <th>Paygrade</th> <th>Bedrooms</th> <th>NSF</th> <th>GSF</th> <th>GSM</th> <th>Project Factor</th> <th>Cost Per GSM</th> <th>No. Units</th> <th>(\$000) Total</th> </tr> </thead> <tbody> <tr> <td>E1-E6</td> <td>3</td> <td>1,315</td> <td>1,631</td> <td>151</td> <td>2.673</td> <td>\$1,302</td> <td>82</td> <td>43,091</td> </tr> <tr> <td>E1-E6</td> <td>4</td> <td>1,573</td> <td>1,951</td> <td>181</td> <td>2.673</td> <td>\$1,302</td> <td>14</td> <td>8,818</td> </tr> <tr> <td colspan="2">Total Project Size:</td> <td>129,852</td> <td>161,056</td> <td>14,916</td> <td></td> <td></td> <td>96</td> <td>51,909</td> </tr> </tbody> </table> <p><b>11. REQUIREMENT</b><br/><u>PROJECT:</u><br/>This project proposes to construct 96 (48 duplex buildings) three and four-bedroom family housing units for junior enlisted families at NSA Andersen.<br/>(Current Mission)</p> <p><u>REQUIREMENT:</u><br/>Adequate and permanent housing facilities are required to support accompanied junior enlisted personnel and their families in Guam. This is the third phase of construction (48 one-story duplex buildings) at NSA Andersen planned to significantly upgrade the quality of family housing units available for occupancy and will bring the housing units up to acceptable standards. In addition, service members and their families will take shelter in these housing units during strong typhoons. Mechanical radon mitigation systems which will comply with EPA and NAVRAMP standards will be provided in each housing unit. Department of Defense and Department of the Navy principles for high performance and sustainable building requirements will be included in the design and construction of this project in accordance with federal laws and Executive Orders. Low Impact Development will be included in the design and construction of this project as appropriate. Facilities will be designed to meet or exceed the useful service life specified in DoD Unified Facility Criteria. Facilities will incorporate features that provide the lowest practical life cycle cost solutions satisfying the facility requirements with the goal of maximizing energy efficiency.</p> <p><u>CURRENT SITUATION:</u><br/>At the end of FY17, NSA Andersen had 574 active family housing units, of which roughly forty percent are considered inadequate. All of the existing housing was constructed in the 1960s and is outdated and undersized based on current standards.</p> |                                                  |                            |                                                            |                                                     |                        |              | Paygrade  | Bedrooms      | NSF | GSF | GSM | Project Factor | Cost Per GSM | No. Units | (\$000) Total | E1-E6 | 3 | 1,315 | 1,631 | 151 | 2.673 | \$1,302 | 82 | 43,091 | E1-E6 | 4 | 1,573 | 1,951 | 181 | 2.673 | \$1,302 | 14 | 8,818 | Total Project Size: |  | 129,852 | 161,056 | 14,916 |  |  | 96 | 51,909 |
| Paygrade                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Bedrooms                                         | NSF                        | GSF                                                        | GSM                                                 | Project Factor         | Cost Per GSM | No. Units | (\$000) Total |     |     |     |                |              |           |               |       |   |       |       |     |       |         |    |        |       |   |       |       |     |       |         |    |       |                     |  |         |         |        |  |  |    |        |
| E1-E6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                                                | 1,315                      | 1,631                                                      | 151                                                 | 2.673                  | \$1,302      | 82        | 43,091        |     |     |     |                |              |           |               |       |   |       |       |     |       |         |    |        |       |   |       |       |     |       |         |    |       |                     |  |         |         |        |  |  |    |        |
| E1-E6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                                                | 1,573                      | 1,951                                                      | 181                                                 | 2.673                  | \$1,302      | 14        | 8,818         |     |     |     |                |              |           |               |       |   |       |       |     |       |         |    |        |       |   |       |       |     |       |         |    |       |                     |  |         |         |        |  |  |    |        |
| Total Project Size:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  | 129,852                    | 161,056                                                    | 14,916                                              |                        |              | 96        | 51,909        |     |     |     |                |              |           |               |       |   |       |       |     |       |         |    |        |       |   |       |       |     |       |         |    |       |                     |  |         |         |        |  |  |    |        |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>FY2019 MILITARY CONSTRUCTION PROJECT DATA</b> |                                               |                                                                                          | 2. Date<br>08 JAN 2018 |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| 3. Installation(SA) and Loc./UIC:    N41557<br>NAVAL SUPPORT ACTIVITY<br>ANDERSEN, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |                                               | 4. Project Title<br><br>REPLACE ANDERSEN HOUSING PH III                                  |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| 5. Program Element<br>0808741N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6. Category Code<br>711                          | 7. Project Number<br>H-282                    | 8. Project Cost(\$000)<br>AUTH:                \$83,441<br>APPR:                \$83,441 |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <p><u>IMPACT IF NOT PROVIDED:</u></p> <p>Failure to execute the project will deprive Navy Housing of 48 one-story duplexes for occupancy by active military personnel and their families. Military personnel will be forced to choose between involuntary separation from their families or accepting housing that is unsuitable for occupancy. Either choice will likely lead to poor morale and dissatisfaction with the Navy. Retention of quality personnel will be adversely affected.</p> <p><b>ADDITIONAL: Economic Alternatives Considered:</b></p> <p>A. Status Quo:</p> <p>B. Renovation/Modernization:</p> <p>C. Lease:</p> <p>D. New Construction:</p> <p>E. Other Alternatives:</p> <p>F. Analysis Results:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  |                                               |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <p><b>12. Supplemental Data:</b></p> <p>Site Approval:    Continuing to work Site Approval.</p> <p>Issues (If yes, please provide discussion under issue):</p> <p>Yes   No</p> <table style="width: 100%; border: none;"> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>DDESB, AICUZ, Airfield, EMR, or wetlands</td></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>Endangered species/sensitive habitat</td></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>Air quality</td></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>Cultural/archeological resources</td></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>Clearing of trees</td></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>Known contamination at selected site</td></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>Operational problems</td></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>Traffic patterns impact</td></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>Existing utilities upgrade</td></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td>Ordnance sweep required prior to Construction</td></tr> </table> <p>Planning (If no, please provide an explanation):</p> <p>Yes   No</p> <p><input checked="" type="checkbox"/>   <input type="checkbox"/></p> |                                                  |                                               |                                                                                          |                        | <input type="checkbox"/> | <input checked="" type="checkbox"/> | DDESB, AICUZ, Airfield, EMR, or wetlands | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Endangered species/sensitive habitat | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Air quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Cultural/archeological resources | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Clearing of trees | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Known contamination at selected site | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Operational problems | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Traffic patterns impact | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Existing utilities upgrade | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Ordnance sweep required prior to Construction |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/>              | DDESB, AICUZ, Airfield, EMR, or wetlands      |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/>              | Endangered species/sensitive habitat          |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/>              | Air quality                                   |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/>              | Cultural/archeological resources              |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/>              | Clearing of trees                             |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/>              | Known contamination at selected site          |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/>              | Operational problems                          |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/>              | Traffic patterns impact                       |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/>              | Existing utilities upgrade                    |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/>              | Ordnance sweep required prior to Construction |                                                                                          |                        |                          |                                     |                                          |                          |                                     |                                      |                          |                                     |             |                          |                                     |                                  |                          |                                     |                   |                          |                                     |                                      |                          |                                     |                      |                          |                                     |                         |                          |                                     |                            |                          |                                     |                                               |

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| 1. Component<br>NAVY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FY2019 MILITARY CONSTRUCTION PROJECT DATA</b> |                                                     | 2. Date<br>08 JAN 2018                                                           |
| 3. Installation(SA) and Loc./UIC:    N41557<br>NAVAL SUPPORT ACTIVITY<br>ANDERSEN, GUAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  | 4. Project Title<br>REPLACE ANDERSEN HOUSING PH III |                                                                                  |
| 5. Program Element<br>0808741N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6. Category Code<br>711                          | 7. Project Number<br>H-282                          | 8. Project Cost(\$000)<br>AUTH:            \$83,441<br>APPR:            \$83,441 |
| <p style="text-align: center;">X    Consistent w/ Master Plan or Base/Regional Dev.</p> <p>Host Nation Approval:    N/A</p> <p>National Capital Region Approval:    N/A</p> <p>NEPA Documentation:</p> <p>Yes   No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Complete</p> <p>Level of NEPA:</p> <p>Yes   No</p> <p><input checked="" type="checkbox"/>   <input type="checkbox"/>   Categorical Exclusion</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Environmental Assessment(EA)</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Environmental Impact Statement(EIS)</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Memorandum of Negative Decision</p> <p>Mitigation Issues:</p> <p>Yes   No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Wetlands replacement/enhancement</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Hazardous waste</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Contaminated soil/water</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Other</p> <p>Environmental Cleanup:    N/A</p> <p>Project Issues:</p> <p>Yes   No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   System safety</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Soils - foundation and seismic conditions</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Construction/operational permits</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Local air quality/wastewater permits</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Complies with Final Governing Standard (Environmental standard for Spain, Italy &amp; Greece)</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Land Acquisition (i.e. location, quantity)</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Technical Operating Manuals</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Feasibility/Constructibility in FY</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Historical Preservation</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Does the facility have an overhead crane requirement?</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Navy Crane Center contacted to assist with dev. of crane estimate (lifting capacity &lt; 10-tons)?</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Navy Crane Center contacted to coord. procurement and timelines (lifting capacity &gt;= 10-tons)?</p> <p>Yes   No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/>   Physical Security:</p> <p style="padding-left: 40px;"><input type="checkbox"/>   Shielding</p> |                                                  |                                                     |                                                                                  |



|                                                                                                  |                                                  |                            |                                                            |                        |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------|------------------------------------------------------------|------------------------|
| 1. Component<br>NAVY                                                                             | <b>FY2019 MILITARY CONSTRUCTION PROJECT DATA</b> |                            |                                                            | 2. Date<br>08 JAN 2018 |
| 3. Installation(SA) and Loc./UIC: N41557<br>NAVAL SUPPORT ACTIVITY<br>ANDERSEN, GUAM             |                                                  |                            | 4. Project Title<br>REPLACE ANDERSEN HOUSING PH III        |                        |
| 5. Program Element<br>0808741N                                                                   | 6. Category Code<br>711                          | 7. Project Number<br>H-282 | 8. Project Cost(\$000)<br>AUTH: \$83,441<br>APPR: \$83,441 |                        |
| Activity POC: JRM Housing Program Manager      Phone No: 671-349-1356<br><br><b>Attachments:</b> |                                                  |                            |                                                            |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                            |              |                                             |              |                               |              |                                            |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--------------|---------------------------------------------|--------------|-------------------------------|--------------|--------------------------------------------|--------------|
| <b>MILITARY FAMILY HOUSING JUSTIFICATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                            |              | 1. DATE OF REPORT<br>(YYMMDD) <b>170914</b> |              | 2. FISCAL YEAR<br><b>2019</b> |              | REPORT CONTROL<br>SYMBOL<br>DD-A&L(AR)1716 |              |
| 3. DOD COMPONENT<br><b>NAVY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | 4. REPORTING INSTALLATION                  |              |                                             |              |                               |              |                                            |              |
| 5. DATA AS OF<br><b>MARCH 2018</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | a. NAME<br><b>GUAM NSA ANDERSEN<br/>PD</b> |              |                                             |              | b. LOCATION<br><b>GUAM</b>    |              |                                            |              |
| ANALYSIS<br>OF<br>REQUIREMENTS AND ASSETS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | CURRENT (FY2017)                           |              |                                             |              | PROJECTED (FY2022)            |              |                                            |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | OFFICER<br>(a)                             | E9-E7<br>(b) | E6-E1<br>(c)                                | Total<br>(d) | OFFICER<br>(e)                | E9-E7<br>(f) | E6-E1<br>(g)                               | Total<br>(h) |
| 6. TOTAL PERSONNEL STRENGTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | 169                                        | 194          | 1538                                        | 1901         | 174                           | 187          | 1375                                       | 1736         |
| 7. PERMANENT PARTY PERSONNEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 169                                        | 194          | 1538                                        | 1901         | 174                           | 187          | 1375                                       | 1736         |
| 8. GROSS FAMILY HOUSING REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 115                                        | 154          | 740                                         | 1009         | 115                           | 154          | 740                                        | 1009         |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 0                                          | 24           | 0                                           | 24           |                               |              |                                            |              |
| a. INVOLUNTARILY SEPARATED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | 0                                          | 0            | 0                                           | 0            |                               |              |                                            |              |
| b. IN MILITARY HOUSING TO BE<br>DISPOSED/REPLACED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 0                                          | 0            | 0                                           | 0            |                               |              |                                            |              |
| c. UNACCEPTABLY HOUSED IN<br>COMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 0                                          | 24           | 0                                           | 24           |                               |              |                                            |              |
| 10. VOLUNTARY SEPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 4                                          | 12           | 53                                          | 69           | 4                             | 12           | 53                                         | 69           |
| 11. EFFECTIVE HOUSING REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 111                                        | 142          | 687                                         | 940          | 111                           | 142          | 687                                        | 940          |
| 12. ADEQUATE ASSETS (a + b)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | 255                                        | 203          | 1011                                        | 1469         | 208                           | 123          | 789                                        | 1120         |
| a. UNDER MILITARY CONTROL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 233                                        | 177          | 637                                         | 1047         | 175                           | 60           | 472                                        | 707          |
| (1) Housed in Existing DOD Owned/Controlled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | 121                                        | 92           | 331                                         | 544          | 175                           | 60           | 472                                        | 707          |
| (2) Under Contract/Approved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                            |              |                                             |              | 0                             | 0            | 0                                          | 0            |
| (3) Vacant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | 112                                        | 85           | 306                                         | 503          |                               |              |                                            |              |
| (4) Inactive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 0                                          | 0            | 0                                           | 0            |                               |              |                                            |              |
| b. PRIVATE HOUSING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 22                                         | 26           | 374                                         | 422          | 33                            | 63           | 317                                        | 413          |
| (1) Acceptably Housed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 22                                         | 26           | 374                                         | 422          |                               |              |                                            |              |
| (2) Vacant Rental Housing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                            |              |                                             |              |                               |              |                                            |              |
| 13. EFFECTIVE HOUSING DEFICIT (11-12)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | -144                                       | -61          | -324                                        | -529         | -97                           | 19           | -102                                       | -180         |
| 14. PROPOSED PROJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                            |              |                                             |              | 0                             | 0            | 0                                          | 0            |
| 15. REMARKS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                            |              |                                             |              |                               |              |                                            |              |
| <p>Programming decisions are to be based on projected data line 13 columns (e) through (h) only.</p> <p>Line 12.a. columns (a) through (d) is based on official end FY 2016 I&amp;U.</p> <p>Line 12 b. PRIVATE ASSETS data is based on the results of the Final Housing Requirement and Market Analysis dated 11 September 2017</p> <p>Line 13 does not reflect potential additional requirement to provide housing for Marines relocated to Guam. The requirement to provide housing for additional Marine forces may significantly reduce the surplus or create a deficit.</p> |  |                                            |              |                                             |              |                               |              |                                            |              |



DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
CONSTRUCTION IMPROVEMENTS

(\$000)

|                        |           |
|------------------------|-----------|
| FY 2019 Budget Request | \$ 16,638 |
| FY 2018 Program Budget | \$ 36,251 |

Purpose and Scope

This program provides for improvements and/or major repairs to revitalize Department of the Navy (DON) family housing and the supporting neighborhood sites and facilities. This program is the primary vehicle for the DON to ensure that the aging inventory of homes is kept suitable for occupancy; as such, this program has a major role in maintaining a high quality of life for Navy and Marine Corps families. This program funds projects that will increase the useful life and livability of homes and neighborhoods, bring them up to Department of Defense standards, and make them more energy efficient and economical to maintain.

Program Summary

The DON will continue its emphasis on revitalization through whole-house projects, which will accomplish all required improvements and repairs at one time. Within this budget estimate, a separate DD 1391 is included for each project funded within this account.

Authorization is requested for:

- (1) Various improvements and/or major repairs to revitalize existing family housing; and
- (2) Appropriation of \$16,638,000 (\$0 for the Navy and \$16,638,000 for the Marine Corps) to fund these revitalization projects.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                              |                                                                 |                       |
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| 1. Component<br>DON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FY 2019 MILITARY CONSTRUCTION PROJECT DATA |                              |                                                                 | 2. Date<br>8 JAN 2018 |
| 3. Installation and Location:<br>NAVY AND MARINE CORPS INSTALLATIONS,<br>VARLOCS INSIDE AND OUTSIDE UNITED STATES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |                              | 4. Project Title<br>FAMILY HOUSING<br>CONSTRUCTION IMPROVEMENTS |                       |
| 5. Program Element<br>0808742N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Category Code<br>711                    | 7. Project Number<br>VARIOUS | 8. Project Cost (\$000)<br>AUTH: \$16,638<br>APPR: \$16,638     |                       |
| 9. COST ESTIMATES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |                              |                                                                 |                       |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | UM                                         | Quantity                     | Unit Cost                                                       | Cost (\$000)          |
| AUTHORIZATION REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | L/S                                        | ---                          | ---                                                             | 16,638                |
| <b>TOTAL REQUEST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                              |                                                                 | 16,638                |
| <p><b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b><br/> Provides for the revitalization of family housing and neighborhood support facilities and infrastructure. Revitalization consists of alterations, additions, expansions, modernization, and major repairs. Typical work includes the revitalization of kitchens and bathrooms; upgrades and repairs to structural, electrical, and mechanical systems; repairs/replacements involving utility systems, streets and side walks, and other infrastructure; removal of hazardous materials; and enhancements to neighborhood support systems including landscaping and recreation.</p> <p><b>11. REQUIREMENT:</b> Major investments to the Department of the Navy's family housing inventory are needed to achieve current DoD standards, extend the life of the homes by arresting and correcting deterioration, reduce maintenance and utility expenses, make the homes and surrounding neighborhoods quality places to live.</p> <p><b>IMPACT IF NOT PROVIDED:</b> The Department of the Navy will have family housing inventory and supporting infrastructure which fall below Department of Defense and Navy standards for quality housing, creating a negative and adverse impact on the families who live in our homes. The Department of the Navy will not be able to reduce maintenance and utility costs and meet DOD standards in a more cost-effective approach than replacing the existing homes and neighborhoods.</p> |                                            |                              |                                                                 |                       |

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| <b>1. COMPONENT</b><br>MARINE CORPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>FY 2019 MILITARY CONSTRUCTION PROJECT DATA</b> | <b>2. DATE</b><br>8 JAN 2018    |
| <b>3. INSTALLATION AND LOCATION</b><br>NAVAL INSTALLATIONS, VARLOCS<br>INSIDE AND OUTSIDE THE UNITED STATES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                   |                                 |
| <b>4. PROJECT TITLE</b><br>FAMILY HOUSING POST-ACQUISITION CONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   | <b>5. PROJECT NUMBER</b>        |
| <u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                   | <u>CURRENT WORKING ESTIMATE</u> |
| <u>OUTSIDE THE UNITED STATES</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                   |                                 |
| <u>JAPAN</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |                                 |
| MCAS Iwakuni<br>(IW-H-1901-R2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                   | 16,638                          |
| <p>This project revitalizes 44 junior enlisted family housing units located in Midrise 657 at MCAS Iwakuni, Japan. Sustainment work includes: Exterior painting; repairing and painting/resurfacing all interior walls and ceilings; repairing and repainting all doors and hardware and closet shelving; and repairing cracked/broken concrete sub-base. Removing floor mounted fan coil units and associated piping and installing recessed ceiling mounted fan coil units. Replacing: the cement roof cover and underlying membrane; rooftop perimeter fence; all balcony rails and window screens; all main entry doors and associated hardware; kitchen and bathroom cabinets, fixtures and hardware; all concrete-finished quarry tile, vinyl composition tile, sheet vinyl and carpet flooring materials; rooftop chiller, plumbing vents, exhaust fans, drain scuppers and associated piping; rooftop exhaust fan controls; all sewage/domestic drain piping, cold and hot water piping, heating and cooling piping, sewage/domestic vent piping and associated hardware such as gauges, valves and monitoring equipment; elevator motors and cabling; all lighting fixtures, switches, electrical outlets and wiring to meet the Electrical Safety Code; fire alarm system; and TV, telephone and internet access receptacles and wiring.</p> <p>Modernization work includes: Installation of elevator safety devices per code; upgrading windows and other facility modifications to meet current Antiterrorism/Force Protection Standards; and upgrading the HVAC system and disconnecting Building 657 from the installation steam system; installation of additional lighting fixtures, electrical outlets and TV, telephone and internet access receptacles and wiring. (See Separate DD Form 1391).</p> |                                                   |                                 |

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| 1. Component<br>MARINE CORPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FY 2019 MILITARY CONSTRUCTION PROJECT DATA |                                                           |                                     | 2. Date<br>8 JAN 2018 |
| 3. Installation and Location:<br>MARINE CORPS AIR STATION<br>IWAKUNI, JAPAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            | 4. Project Title<br>WHOLEHOUSE REVITALIZATION MIDRISE 657 |                                     |                       |
| 5. Program Element<br>0808742                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Category Code<br>711                    | 7. Project Number<br>IW-H-1901-R2                         | 8. Project Cost (\$000)<br>\$16,638 |                       |
| <b>9. COST ESTIMATES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                           |                                     |                       |
| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | UM                                         | Quantity                                                  | Unit Cost                           | Cost(\$000)           |
| Family Housing Improvement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EA                                         | 44                                                        | 378                                 | 16,638                |
| Yen Exchange Rate ¥111.5938/\$1<br>Area Cost Factor 1.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                           |                                     |                       |
| <b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |                                                           |                                     |                       |
| <p>This project revitalizes 44 junior enlisted family housing units located in Midrise 657 at MCAS Iwakuni, Japan. Sustainment work includes: Exterior painting; repairing and painting/resurfacing all interior walls and ceilings; repairing and repainting all doors and hardware and closet shelving; and repairing cracked/broken concrete sub-base. Removing floor mounted fan coil units and associated piping and installing recessed ceiling mounted fan coil units. Replacing: the cement roof cover and underlying membrane; rooftop perimeter fence; all balcony rails and window screens; all main entry doors and associated hardware; kitchen and bathroom cabinets, fixtures and hardware; all concrete-finished quarry tile, vinyl composition tile, sheet vinyl and carpet flooring materials; rooftop chiller, plumbing vents, exhaust fans, drain scuppers and associated piping; rooftop exhaust fan controls; all sewage/domestic drain piping, cold and hot water piping, heating and cooling piping, sewage/domestic vent piping and associated hardware such as gauges, valves and monitoring equipment; elevator motors and cabling; all lighting fixtures, switches, electrical outlets and wiring to meet the Electrical Safety Code; fire alarm system; and TV, telephone and internet access receptacles and wiring.</p> <p>Modernization work includes: Installation of elevator safety devices per code; upgrading windows and upgrading the HVAC system and disconnecting Building 657 from the installation steam system; and installation of additional lighting fixtures, electrical outlets and TV, telephone and internet access receptacles and wiring.</p> |                                            |                                                           |                                     |                       |
| <b>11. REQUIREMENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                                           |                                     |                       |
| <p><u>PROJECT:</u><br/>This project will repair units in Family Housing Midrise No. 657, located in the SOQ Area, Marine Corps Air Station Iwakuni, Japan.</p> <p><u>REQUIREMENT:</u><br/>Family Housing Midrise No. 657 is one of ten midrises on the Air Station. Family Housing Midrise No. 657 contains 44 individual two-bedroom units, a community room, public toilet, a small storage area, mechanical rooms and miscellaneous ancillary spaces. Repair of the existing facility is required to correct life safety and building code deficiencies and replace deteriorated and old/outdated equipment and fixtures, modernize the interior design and enhance the quality of the facilities for the current generation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                            |                                                           |                                     |                       |

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| 1. Component<br>MARINE CORPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FY 2019 MILITARY CONSTRUCTION PROJECT DATA |                                                           |                                     | 2. Date<br>8 JAN 2018 |
| 3. Installation and Location:<br>MARINE CORPS AIR STATION<br>IWAKUNI, JAPAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            | 4. Project Title<br>WHOLEHOUSE REVITALIZATION MIDRISE 657 |                                     |                       |
| 5. Program Element<br>0808742                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6. Category Code<br>711                    | 7. Project Number<br>IW-H-1901-R2                         | 8. Project Cost (\$000)<br>\$16,638 |                       |
| <p>REQUIREMENT (continued):<br/>of tenants, and extend the useful life of this facility another 20+ years.</p> <p>CURRENT SITUATION:<br/>Constructed in 1999, Family Housing Midrise No. 657 is showing its age and requires extensive repairs to continue providing comfortable living quarters to its overseas tenants. When this project is awarded, the facility will be 20 years into its 60-year life expectancy.</p> <p>The Architectural requirements of this project are as follows:</p> <ul style="list-style-type: none"> <li>▪ The roof of the facility must be replaced, since it is severely cracked and has deteriorated beyond economical repair. The life expectancy of similar roofing systems is estimated at 20 to 25 years.</li> <li>▪ The exterior must be repainted at the time of this project, as it will be approximately 10 years since it was last painted. Ten years is the normal life expectancy of the exterior paint in this seaside and industrial environment. The paint has rapidly deteriorated and is peeling, fading and cracking.</li> <li>▪ The main entry doors and their associated hardware must be replaced, as the existing hardware does not provide a reliable locking mechanism for building security. The door hardware is also rusting and the doors are disfigured.</li> <li>▪ The balcony rails must be replaced since they do not meet the safety requirements set forth in the IBC. For example, bar spacing is over four inches, where a small child could crawl through.</li> <li>▪ The interior must be completely repainted after the damaged and unsightly walls and ceilings are repaired and replaced with new wall tile and other surface materials. The new interior wall and ceiling surfaces will help create a new and rejuvenated environment that will greatly appeal to the tenants.</li> <li>▪ The flooring materials in all areas of the building must be removed and replaced after 17 years of severe wear. Much of the existing flooring is cracked or broken, deteriorated and worn out, stained and spotted. The cracked concrete sub-surface must also be repaired.</li> <li>▪ The substandard and outdated kitchen and bathroom cabinets must be replaced due to 17 years of heavy usage and already undergo continual repairs. Due to their age, it is also more difficult to find matching replacement parts for built-in furnishings. The existing kitchen counter-tops are made of stainless steel and severely scarred from frequent use of cutting utensils. Extensive permanent rust stains are also common. The range hoods must be replaced, as they no longer adequately or effectively exhaust the air from the cooking area. The bathroom vanities and sinks are too small for modern toiletry essentials and must be replaced with more practical fixtures.</li> <li>▪ All the interior doors and associated hardware in the facility, including closet doors and shelving show considerable damage over 20 years of frequent turnover and must be repaired and repainted.</li> </ul> |                                            |                                                           |                                     |                       |

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| 1. Component<br>MARINE CORPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FY 2019 MILITARY CONSTRUCTION PROJECT DATA |                                                           |                                     | 2. Date<br>8 JAN 2018 |
| 3. Installation and Location:<br>MARINE CORPS AIR STATION<br>IWAKUNI, JAPAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            | 4. Project Title<br>WHOLEHOUSE REVITALIZATION MIDRISE 657 |                                     |                       |
| 5. Program Element<br>0808742                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Category Code<br>711                    | 7. Project Number<br>IW-H-1901-R2                         | 8. Project Cost (\$000)<br>\$16,638 |                       |
| <p><b>CURRENT SITUATION (Continued):</b></p> <ul style="list-style-type: none"> <li>The windows must be replaced to meet revised Antiterrorism/Force Protection requirements to minimize hazards from flying debris in high-occupancy family housing.</li> </ul> <p>The Mechanical requirements of this facility are as follows:</p> <ul style="list-style-type: none"> <li>The roof top chiller unit, ventilation fans and controls no longer operate efficiently, are badly deteriorated and must be replaced.</li> <li>The roof top scuppers and drains must be replaced, as they are severely corroded and no longer function properly.</li> <li>The exhaust and ventilation systems located in both the kitchen and bathroom areas must be replaced, as they are no longer effectively recycle air at the required volume. Also the system does not contain any backflow prevention, so odors from other units often circulate through the units via vent pipes that exhaust fans are connected to.</li> <li>The existing toilet fixtures, bathtubs, showers, lavatories and kitchen sinks have not been replaced since the facility was constructed in 1999, and have exceeded their life expectancy. They are inefficient and in frequent need of repair.</li> <li>All sewage and domestic drain piping, cold and hot water piping, heating and cooling piping, sewage and domestic vent piping must be replaced. Frequent service calls to unclog drains and stop leaks indicate that the existing piping throughout the building is extremely corroded and deteriorating rapidly. The expected durable life of such piping is normally between 14 and 18 years.</li> <li>The existing floor mounted fan coil units and all associated piping must be removed and replaced with recessed ceiling mounted fan coil units. The existing fan coil units are old and no longer working efficiently. They are in constant need of repair and occupy valuable living area space.</li> <li>Elevator safety devices do not meet American Society of Mechanical Engineers safety code for elevators. The elevator's electric motors and steel cabling will be replaced since the normal life cycle of each is approximately 20 years.</li> </ul> <p>The Electrical requirements of this facility are as follows:</p> <ul style="list-style-type: none"> <li>The roof top exhaust fan controls must be replaced since they are severely deteriorated.</li> <li>The existing electrical outlets and wiring must be replaced to meet today's equipment needs. The current kitchen and bathroom outlets lack Ground Fault protection and do not meet the current Electrical Safety Code.</li> <li>The existing circuit breakers undersized for building service needs.</li> <li>Electrical outlets coverage is insufficient to meet current Electrical Codes. Power strips and extension cords are often used, creating a safety hazard.</li> </ul> |                                            |                                                           |                                     |                       |

|                                                                             |                                            |                                                           |                                     |
|-----------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------|-------------------------------------|
| 1. Component<br>MARINE CORPS                                                | FY 2019 MILITARY CONSTRUCTION PROJECT DATA |                                                           | 2. Date<br>8 JAN 2018               |
| 3. Installation and Location:<br>MARINE CORPS AIR STATION<br>IWAKUNI, JAPAN |                                            | 4. Project Title<br>WHOLEHOUSE REVITALIZATION MIDRISE 657 |                                     |
| 5. Program Element<br>0808742                                               | 6. Category Code<br>711                    | 7. Project Number<br>IW-H-1901-R2                         | 8. Project Cost (\$000)<br>\$16,638 |

**CURRENT SITUATION (Continued):**

- Many areas within the individual housing units have no lighting provided. In areas where fixed lighting is provided, the lighting levels do not meet illumination standards. Existing light fixtures must be replaced with energy efficient fixtures.
- The aged fire alarm system must be replaced to meet current standards.
- The existing TV, telephone and internet access receptacles and wiring must be replaced since the current configuration does not provide adequate service or capacity to all the required areas of the facility.
- Additional TV, telephone and internet access receptacles and wiring is required to meet the current and future demand of family appliances and personal computer devices.

**IMPACT IF NOT PROVIDED:** If this project is not provided, family housing units will continue to fall short of DOD construction standards. Military personnel and their families will continue to live in an old facility that does not meet current safety code requirements and contains deteriorated or damaged furnishings and equipment that require continuous repair. The Air Station's Housing Division will continue to perform minor maintenance while furnishings, equipment and building problems continue to escalate. Quality of life and comfort of living standards will continue to degrade and compromise the Air Station's vision as the "Assignment of Choice"

**WORK PROGRAMMED FOR NEXT THREE YEARS:** None.

**ADDITIONAL:** An economic analysis has been prepared comparing the alternatives of replacement, improvement, direct compensation and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the only viable alternative to satisfy the requirement. The initial cost to improve these units is 89% of the replacement cost. Although the life-cycle costs for revitalization is 112% of the life-cycle costs for replacement, the facility, built by the Government of Japan (GOJ), will only be 20 years old when the project is awarded. Since GOJ will not replace it before its' 60-year life expectancy, replacement is not a viable alternative. This project is not eligible for Host Nation Funding. Sustainable principles will be integrated into the development, design and construction of this project in accordance with Executive Order 13123 and other applicable laws and executive orders. Anti-terrorism/force protection provisions include upgrading windows and providing other facility modifications to meet current Antiterrorism/Force Protection Standards.

**12. SUPPLEMENTAL**

|                        |         |
|------------------------|---------|
| Contract Award:        | 6/2019  |
| Construction Start:    | 10/2019 |
| Construction Complete: | 9/2020  |

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
ADVANCE PLANNING AND DESIGN

(\$000)

|                        |          |
|------------------------|----------|
| FY 2019 Budget Request | \$ 4,502 |
| FY 2018 Program Budget | \$ 4,418 |

Purpose and Scope

This program provides for working drawings, specifications and estimates, project planning reports, and final design drawings for construction projects (authorized or not yet authorized). This includes the use of architectural and engineering services in connection with any family housing new construction or construction improvements.

Program Summary

The amount requested will enable full execution of the construction program. Authorization is requested for the appropriation of \$4,502,000 (\$3,514,000 for the Navy and \$988,000 for the Marine Corps) to fund New Construction and Improvements design requirements.

|                                                                                                                  |                                                   |                                                                   |                                                             |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------|
| 1. Component<br>DON                                                                                              | <b>FY 2019 MILITARY CONSTRUCTION PROJECT DATA</b> |                                                                   | 2. Date<br>8 JAN 2018                                       |
| 3. Installation and Location:<br>NAVY AND MARINE CORPS INSTALLATIONS<br>VARLOCS INSIDE AND OUTSIDE UNITED STATES |                                                   | 4. Project Title<br>FAMILY HOUSING ADVANCE PLANNING<br>AND DESIGN |                                                             |
| 5. Program Element<br>0808742N                                                                                   | 6. Category Code<br>711                           | 7. Project Number<br>VARIOUS                                      | 8. Project Cost (\$000)<br>AUTH: \$ 4,502<br>APPN: \$ 4,502 |

**9. COST ESTIMATES**

| Item                        | UM  | Quantity | Unit Cost | Cost (\$000)    |
|-----------------------------|-----|----------|-----------|-----------------|
| ADVANCE PLANNING AND DESIGN |     | ---      | ---       |                 |
| NEW CONSTRUCTION            | L/S | ---      | ---       | (0)             |
| IMPROVEMENTS                | L/S | ---      | ---       | (4,502)         |
| <b>TOTAL REQUEST</b>        |     |          |           | <b>\$ 4,502</b> |

**10. DESCRIPTION OF PROPOSED CONSTRUCTION:**

10 USC 2807 authorizes funding for architectural and engineering services and construction design of military family housing new construction and construction improvement projects.

**11. REQUIREMENT:** All project estimates are based on sound engineering and the best cost data available. Design is initiated to establish project estimates authorized or not yet authorized in advance of program submittal to the Congress. At the preliminary design, final plans and specifications are then prepared. The request includes costs for architectural and engineering services, turnkey evaluation, and construction design.

IMPACT IF NOT PROVIDED: Project execution schedules for Fiscal Years 2020 and 2021 will not be met. Negative impact to military members and their families as design of Family Housing homes and supporting structures will not be accomplished in a timely manner for expected delivery. This will be perceived as lack of support for our military families quality of life and will reflect poorly on the Navy.

DEPARTMENT OF THE NAVY  
FAMILY HOUSING – FY 2019 BUDGET ESTIMATE  
OPERATION AND MAINTENANCE NARRATIVE SUMMARY

(\$000)

FY 2019 Budget Request      \$230,254  
FY 2018 Program Budget      \$238,774

Purpose and Scope

This portion of the program provides for expenses in the following sub-accounts: Management, Services, Furnishings, Miscellaneous, Utilities, Maintenance, and Reimbursables.

Program Summary

Authorization is requested for an appropriation of \$230,254,000. This amount, together with estimated reimbursements of \$17,706,000 will fund the Fiscal Year 2019 program of \$247,960,000.

A summary of the funding program for Fiscal Year 2019 follows (in thousands):

|              | Appropriation Request |                  |                    |              | Reimburse-   | Total          |
|--------------|-----------------------|------------------|--------------------|--------------|--------------|----------------|
|              | <u>Operations</u>     | <u>Utilities</u> | <u>Maintenance</u> | <u>Total</u> | <u>ments</u> | <u>Program</u> |
| Navy         | 72,988                | 53,512           | 76,952             | 203,452      | 16,000       | 219,452        |
| Marine Corps | 10,686                | 6,740            | 9,376              | 26,802       | 1,706        | 28,508         |
| Total DON    | 83,674                | 60,252           | 86,328             | 230,254      | 17,706       | 247,960        |

Justification

The Department of the Navy family housing budget requests the minimum essential resources needed to provide military families with adequate housing either through the private community or in government quarters. Navy and Marine Corps installations are generally located in the high cost, coastal areas. Accordingly, the higher cost of adequate housing in these areas cause many of our military families to reside in facilities that lack even the minimal amenities expected in a home. Therefore, emphasis is placed on the proper funding of the family housing Operations and Maintenance program.

The Fiscal Year 2019 estimated program was formulated utilizing published inflationary factors and foreign currency exchange rates. Program decreases, as compared to FY 2018, are primarily attributed to a reduction in USMC Maintenance costs, as well as the Department of Navy (DON) effort to support the OMB-directed reforms for efficiency and effectiveness that include a lean, accountable, more efficient government.

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| DEPARTMENT OF THE NAVY<br>FAMILY HOUSING, DEPARTMENT OF THE NAVY<br>FY 2018 OPERATIONS AND MAINTENANCE<br>(EXCLUDES LEASED UNITS AND COSTS)<br>GEOGRAPHIC - WORLDWIDE |                |                |                |                |                |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                                                                                                                                                       | FY 2017        |                | FY 2018        |                | FY 2019        |                |
| <b>A. INVENTORY DATA</b>                                                                                                                                              |                |                |                |                |                |                |
| Units in Beginning of Year                                                                                                                                            | 8,254          |                | 8,960          |                | 8,878          |                |
| Units at End of Year                                                                                                                                                  | 8,960          |                | 8,878          |                | 8,870          |                |
| Average Inventory for Year                                                                                                                                            | 8,495          |                | 9,020          |                | 8,878          |                |
| a. Average Historic Inventory for Year                                                                                                                                | (7)            |                | (7)            |                | (7)            |                |
| Requiring O&M Funding                                                                                                                                                 |                |                |                |                |                |                |
| a. Conterminous U.S.                                                                                                                                                  | 262            |                | 262            |                | 99             |                |
| b. U.S. Overseas                                                                                                                                                      | 1,663          |                | 1,649          |                | 1,643          |                |
| c. Foreign                                                                                                                                                            | 6,570          |                | 7,109          |                | 7,136          |                |
| d. Worldwide                                                                                                                                                          | 8,495          |                | 9,020          |                | 8,878          |                |
|                                                                                                                                                                       | Total (\$000)  | Unit Cost (\$) | Total (\$000)  | Unit Cost (\$) | Total (\$000)  | Unit Cost (\$) |
| <b>B. FUNDING REQUIREMENT</b>                                                                                                                                         |                |                |                |                |                |                |
| <b>1. OPERATIONS</b>                                                                                                                                                  |                |                |                |                |                |                |
| a. Operating Expenses                                                                                                                                                 |                |                |                |                |                |                |
| (1) Management                                                                                                                                                        | 54,351         | 6,398          | 50,989         | 5,653          | 50,870         | 5,730          |
| (2) Services                                                                                                                                                          | 15,387         | 1,811          | 15,649         | 1,735          | 16,261         | 1,832          |
| (3) Furnishings                                                                                                                                                       | 17,740         | 2,088          | 14,529         | 1,611          | 16,395         | 1,847          |
| (4) Miscellaneous                                                                                                                                                     | 124            | 15             | 336            | 37             | 148            | 17             |
| Subtotal Direct Obligations                                                                                                                                           | 87,602         | 10,312         | 81,503         | 9,036          | 83,674         | 9,425          |
| Anticipated Reimbursements                                                                                                                                            | 5,533          | 651            | 5,535          | 614            | 5,540          | 624            |
| Estimated Gross Obligations                                                                                                                                           | 93,135         | 10,963         | 87,038         | 9,649          | 89,214         | 10,049         |
| <b>2. UTILITIES</b>                                                                                                                                                   | 53,250         | 6,268          | 62,167         | 6,892          | 60,252         | 6,787          |
| Anticipated Reimbursements                                                                                                                                            | 4,764          | 561            | 4,776          | 529            | 4,782          | 539            |
| Estimated Gross Obligations                                                                                                                                           | 58,014         | 6,829          | 66,943         | 7,422          | 65,034         | 7,325          |
| <b>3. MAINTENANCE</b>                                                                                                                                                 |                |                |                |                |                |                |
| a. Maintenance & Repair of Dwellings                                                                                                                                  | 58,494         | 6,886          | 57,863         | 6,415          | 58,479         | 6,587          |
| b. Exterior Utilities                                                                                                                                                 | 124            | 15             | 14,995         | 1,662          | 3,287          | 370            |
| c. Maintenance & Repair of Other Real Property                                                                                                                        | 1,840          | 217            | 531            | 59             | 1,953          | 220            |
| d. Alterations and Additions                                                                                                                                          | 14,686         | 1,729          | 21,715         | 2,407          | 22,609         | 2,547          |
| <b>e. Foreign Currency Fluctuations</b>                                                                                                                               | <b>7,989</b>   | <b>940</b>     |                |                |                |                |
| Subtotal Direct Obligations                                                                                                                                           | 83,133         | 9,786          | 95,104         | 10,544         | 86,328         | 9,724          |
| Anticipated Reimbursements                                                                                                                                            | 7,347          | 865            | 7,363          | 816            | 7,384          | 832            |
| Estimated Gross Obligations                                                                                                                                           | 90,480         | 10,651         | 102,467        | 11,360         | 93,712         | 10,556         |
| <b>4. GRAND TOTAL, O&amp;M - Direct Obligations</b>                                                                                                                   | <b>223,984</b> | <b>26,367</b>  | <b>238,774</b> | <b>26,472</b>  | <b>230,254</b> | <b>25,935</b>  |
| <b>5. GRAND TOTAL -</b>                                                                                                                                               |                |                |                |                |                |                |
| Anticipated Reimbursements                                                                                                                                            | 17,644         | 2,077          | 17,674         | 1,959          | 17,706         | 1,994          |
| <b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>                                                                                                                    | <b>241,628</b> | <b>28,444</b>  | <b>256,448</b> | <b>28,431</b>  | <b>247,960</b> | <b>27,930</b>  |

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING, NAVY  
FY 2019 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - WORLDWIDE

|                                                     | FY 2017       |                | FY 2018       |                | FY 2019       |                |
|-----------------------------------------------------|---------------|----------------|---------------|----------------|---------------|----------------|
| <b>A. INVENTORY DATA</b>                            |               |                |               |                |               |                |
| Units in Beginning of Year                          | 7,241         |                | 7,179         |                | 7,010         |                |
| Units at End of Year                                | 7,179         |                | 7,010         |                | 7,002         |                |
| Average Inventory for Year                          | 7,241         |                | 7,179         |                | 7,010         |                |
| a. Average Historic Inventory for Year              | (1)           |                | (1)           |                | (1)           |                |
| Requiring O&M Funding                               |               |                |               |                |               |                |
| a. Conterminous U.S.                                | 182           |                | 182           |                | 19            |                |
| b. U.S. Overseas                                    | 1,663         |                | 1,649         |                | 1,643         |                |
| c. Foreign                                          | 5,396         |                | 5,348         |                | 5,348         |                |
| d. Worldwide                                        | 7,241         |                | 7,179         |                | 7,010         |                |
|                                                     | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) |
| <b>B. FUNDING REQUIREMENT</b>                       |               |                |               |                |               |                |
| <b>1. OPERATIONS</b>                                |               |                |               |                |               |                |
| a. Operating Expenses                               |               |                |               |                |               |                |
| (1) Management                                      | 43,949        | 6,069          | 45,538        | 6,343          | 45,519        | 6,493          |
| (2) Services                                        | 13,851        | 1,913          | 13,151        | 1,832          | 13,549        | 1,933          |
| (3) Furnishings                                     | 14,396        | 1,988          | 11,865        | 1,653          | 13,772        | 1,965          |
| (4) Miscellaneous                                   | 124           | 17             | 336           | 47             | 148           | 21             |
| Subtotal Direct Obligations                         | 72,320        | 9,988          | 70,890        | 9,875          | 72,988        | 10,412         |
| Anticipated Reimbursements                          | 5,500         | 760            | 5,500         | 766            | 5,500         | 785            |
| Estimated Gross Obligations                         | 77,820        | 10,747         | 76,390        | 10,641         | 78,488        | 11,197         |
| <b>2. UTILITIES</b>                                 | 50,765        | 7,011          | 51,513        | 7,176          | 53,512        | 7,634          |
| Anticipated Reimbursements                          | 4,500         | 621            | 4,500         | 627            | 4,500         | 642            |
| Estimated Gross Obligations                         | 55,265        | 7,632          | 56,013        | 7,802          | 58,012        | 8,276          |
| <b>3. MAINTENANCE</b>                               |               |                |               |                |               |                |
| a. Maintenance & Repair of Dwellings                | 53,814        | 7,432          | 53,467        | 7,448          | 52,942        | 7,552          |
| b. Exterior Utilities                               | 0             | 0              | 0             | 0              | 0             | 0              |
| c. Maintenance & Repair of Other Real Property      | 1,330         | 184            | 0             | 0              | 1,488         | 212            |
| d. Alterations and Additions                        | 14,655        | 2,024          | 21,684        | 3,020          | 22,522        | 3,213          |
| Subtotal Direct Obligations                         | 69,799        | 9,639          | 75,151        | 10,468         | 76,952        | 10,977         |
| Anticipated Reimbursements                          | 6,000         | 829            | 6,000         | 836            | 6,000         | 856            |
| Estimated Gross Obligations                         | 75,799        | 10,468         | 81,151        | 11,304         | 82,952        | 11,833         |
| <b>4. GRAND TOTAL, O&amp;M - Direct Obligations</b> | 192,883       | 26,638         | 197,554       | 27,518         | 203,452       | 29,023         |
| <b>5. GRAND TOTAL -</b>                             |               |                |               |                |               |                |
| Anticipated Reimbursements                          | 16,000        | 2,210          | 16,000        | 2,229          | 16,000        | 2,282          |
| <b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>  | 208,883       | 28,847         | 213,554       | 29,747         | 219,452       | 31,306         |

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, NAVY  
FY 2019 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - CONUS

|                                                     | FY 2017       |                | FY 2018       |                | FY 2019       |                |
|-----------------------------------------------------|---------------|----------------|---------------|----------------|---------------|----------------|
| <b>A. INVENTORY DATA</b>                            |               |                |               |                |               |                |
| Units in Beginning of Year                          | 182           |                | 182           |                | 19            |                |
| Units at End of Year                                | 182           |                | 19            |                | 18            |                |
| Average Inventory for Year                          | 182           |                | 182           |                | 19            |                |
| a. Average Historic Inventory for Year              | (1)           |                | (1)           |                | (1)           |                |
| Requiring O&M Funding                               |               |                |               |                |               |                |
| a. Conterminous U.S.                                | 182           |                | 182           |                | 19            |                |
| b. U.S. Overseas                                    | 0             |                | 0             |                | 0             |                |
| c. Foreign                                          | 0             |                | 0             |                | 0             |                |
| d. Worldwide                                        | 0             |                | 0             |                | 0             |                |
|                                                     | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) |
| <b>B. FUNDING REQUIREMENT</b>                       |               |                |               |                |               |                |
| <b>1. OPERATIONS</b>                                |               |                |               |                |               |                |
| a. Operating Expenses                               |               |                |               |                |               |                |
| (1) Management*                                     | 29,937        | 164,488        | 31,072        | 170,725        | 30,795        | 1,620,789      |
| (2) Services                                        | 154           | 843            | 30            | 165            | 30            | 1,579          |
| (3) Furnishings                                     | 702           | 3,859          | 588           | 3,231          | 598           | 31,474         |
| (4) Miscellaneous                                   | 124           | 682            | 336           | 1,846          | 148           | 7,789          |
| Subtotal Direct Obligations                         | 30,917        | 169,873        | 32,026        | 175,967        | 31,571        | 1,661,632      |
| Anticipated Reimbursements                          | 0             | 0              | 0             | 0              | 0             | 0              |
| Estimated Gross Obligations                         | 30,917        | 169,873        | 32,026        | 175,967        | 31,571        | 1,661,632      |
| <b>2. UTILITIES</b>                                 | 768           | 4,221          | 85            | 467            | 86            | 4,526          |
| Anticipated Reimbursements                          | 0             | 0              | 0             | 0              | 0             | 0              |
| Estimated Gross Obligations                         | 768           | 4,221          | 85            | 467            | 86            | 4,526          |
| <b>3. MAINTENANCE</b>                               |               |                |               |                |               |                |
| a. Maintenance & Repair of Dwellings                | 4,113         | 22,600         | 307           | 1,687          | 312           | 16,421         |
| b. Exterior Utilities                               | 0             | 0              | 0             | 0              | 0             | 0              |
| c. Maintenance & Repair of Other Real Property      | 0             | 0              | 0             | 0              | 0             | 0              |
| d. Alterations and Additions                        | 0             | 0              | 0             | 0              | 0             | 0              |
| Subtotal Direct Obligations                         | 4,113         | 22,600         | 307           | 1,687          | 312           | 16,421         |
| Anticipated Reimbursements                          | 0             | 0              | 0             | 0              | 0             | 0              |
| Estimated Gross Obligations                         | 4,113         | 22,600         | 307           | 1,687          | 312           | 16,421         |
| <b>4. GRAND TOTAL, O&amp;M - Direct Obligations</b> | 35,798        | 196,694        | 32,418        | 178,121        | 31,969        | 1,682,579      |
| <b>5. GRAND TOTAL -</b>                             |               |                |               |                |               |                |
| Anticipated Reimbursements                          | 0             | 0              | 0             | 0              | 0             | 0              |
| <b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>  | 35,798        | 196,694        | 32,418        | 178,121        | 31,969        | 1,682,579      |

\* Per Unit Costs for certain accounts in CONUS are skewed due to the fact that these costs are not directly attributed to government-owned homes and therefore misrepresent the per unit costs for these units. Additionally, FY17-19 inventory has been adjusted to reflect the planned privatization and demolition of Ventura, CA.



DEPARTMENT OF THE NAVY  
FAMILY HOUSING, NAVY  
FY 2019 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - US OVERSEAS

|                                                     | FY 2017       |                | FY 2018       |                | FY 2019       |                |
|-----------------------------------------------------|---------------|----------------|---------------|----------------|---------------|----------------|
| <b>A. INVENTORY DATA</b>                            |               |                |               |                |               |                |
| Units in Beginning of Year                          | 1,663         |                | 1,649         |                | 1,643         |                |
| Units at End of Year                                | 1,649         |                | 1,643         |                | 1,636         |                |
| Average Inventory for Year                          | 1,663         |                | 1,649         |                | 1,643         |                |
| a. Average Historic Inventory for Year              | (0)           |                | (0)           |                | (0)           |                |
| Requiring O&M Funding                               |               |                |               |                |               |                |
| a. Conterminous U.S.                                | 0             |                | 0             |                | 0             |                |
| b. U.S. Overseas                                    | 1,663         |                | 1,649         |                | 1,643         |                |
| c. Foreign                                          | 0             |                | 0             |                | 0             |                |
| d. Worldwide                                        | 0             |                | 0             |                | 0             |                |
|                                                     | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) |
| <b>B. FUNDING REQUIREMENT</b>                       |               |                |               |                |               |                |
| <b>1. OPERATIONS</b>                                |               |                |               |                |               |                |
| a. Operating Expenses                               |               |                |               |                |               |                |
| (1) Management                                      | 4,284         | 2,576          | 4,299         | 2,607          | 4,376         | 2,663          |
| (2) Services                                        | 4,517         | 2,716          | 4,682         | 2,839          | 4,848         | 2,951          |
| (3) Furnishings                                     | 4,254         | 2,558          | 2,689         | 1,631          | 3,138         | 1,910          |
| (4) Miscellaneous                                   | 0             | 0              | 0             | 0              | 0             | 0              |
| Subtotal Direct Obligations                         | 13,055        | 7,850          | 11,670        | 7,077          | 12,362        | 7,524          |
| Anticipated Reimbursements                          | 2,750         | 1,654          | 2,750         | 1,668          | 2,750         | 1,674          |
| Estimated Gross Obligations                         | 15,805        | 9,504          | 14,420        | 8,745          | 15,112        | 9,198          |
| <b>2. UTILITIES</b>                                 | 20,363        | 12,245         | 21,006        | 12,739         | 21,920        | 13,341         |
| Anticipated Reimbursements                          | 2,250         | 1,353          | 2,250         | 1,364          | 2,250         | 1,369          |
| Estimated Gross Obligations                         | 22,613        | 13,598         | 23,256        | 14,103         | 24,170        | 14,711         |
| <b>3. MAINTENANCE</b>                               |               |                |               |                |               |                |
| a. Maintenance & Repair of Dwellings                | 17,299        | 10,402         | 14,824        | 8,990          | 14,661        | 8,923          |
| b. Exterior Utilities                               | 0             | 0              | 0             | 0              | 0             | 0              |
| c. Maintenance & Repair of Other Real Property      | 481           | 289            | 0             | 0              | 431           | 262            |
| d. Alterations and Additions                        | 3,958         | 2,380          | 1,958         | 1,187          | 2,217         | 1,349          |
| Subtotal Direct Obligations                         | 21,737        | 13,071         | 16,782        | 10,177         | 17,309        | 10,535         |
| Anticipated Reimbursements                          | 3,000         | 1,804          | 3,000         | 1,819          | 3,000         | 1,826          |
| Estimated Gross Obligations                         | 24,737        | 14,875         | 19,782        | 11,996         | 20,309        | 12,361         |
| <b>4. GRAND TOTAL, O&amp;M - Direct Obligations</b> | 55,155        | 33,166         | 49,458        | 29,993         | 51,591        | 31,400         |
| <b>5. GRAND TOTAL -</b>                             |               |                |               |                |               |                |
| Anticipated Reimbursements                          | 8,000         | 4,811          | 8,000         | 4,851          | 8,000         | 4,869          |
| <b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>  | 63,155        | 37,976         | 57,458        | 34,844         | 59,591        | 36,270         |

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, NAVY  
FY 2019 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - FOREIGN

|                                                     | FY 2017       |                | FY 2018       |                | FY 2019       |                |
|-----------------------------------------------------|---------------|----------------|---------------|----------------|---------------|----------------|
| <b>A. INVENTORY DATA</b>                            |               |                |               |                |               |                |
| Units in Beginning of Year                          | 5,396         |                | 5,348         |                | 5,348         |                |
| Units at End of Year                                | 5,348         |                | 5,348         |                | 5,348         |                |
| Average Inventory for Year                          | 5,396         |                | 5,348         |                | 5,348         |                |
| a. Average Historic Inventory for Year              | (0)           |                | (0)           |                | (0)           |                |
| Requiring O&M Funding                               |               |                |               |                |               |                |
| a. Conterminous U.S.                                | 0             |                | 0             |                | 0             |                |
| b. U.S. Overseas                                    | 0             |                | 0             |                | 0             |                |
| c. Foreign                                          | 5,396         |                | 5,348         |                | 5,348         |                |
| d. Worldwide                                        | 0             |                | 0             |                | 0             |                |
|                                                     | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) |
| <b>B. FUNDING REQUIREMENT</b>                       |               |                |               |                |               |                |
| <b>1. OPERATIONS</b>                                |               |                |               |                |               |                |
| a. Operating Expenses                               |               |                |               |                |               |                |
| (1) Management                                      | 9,728         | 1,803          | 10,167        | 1,901          | 10,348        | 1,935          |
| (2) Services                                        | 9,181         | 1,701          | 8,439         | 1,578          | 8,671         | 1,621          |
| (3) Furnishings                                     | 9,439         | 1,749          | 8,588         | 1,606          | 10,036        | 1,877          |
| (4) Miscellaneous                                   | 0             | 0              | 0             | 0              | 0             | 0              |
| Subtotal Direct Obligations                         | 28,348        | 5,254          | 27,194        | 5,085          | 29,055        | 5,433          |
| Anticipated Reimbursements                          | 2,750         | 510            | 2,750         | 514            | 2,750         | 514            |
| Estimated Gross Obligations                         | 31,098        | 5,763          | 29,944        | 5,599          | 31,805        | 5,947          |
| <b>2. UTILITIES</b>                                 | 29,633        | 5,492          | 30,422        | 5,688          | 31,506        | 5,891          |
| Anticipated Reimbursements                          | 2,250         | 417            | 2,250         | 421            | 2,250         | 421            |
| Estimated Gross Obligations                         | 31,883        | 5,909          | 32,672        | 6,109          | 33,756        | 6,312          |
| <b>3. MAINTENANCE</b>                               |               |                |               |                |               |                |
| a. Maintenance & Repair of Dwellings                | 32,402        | 6,005          | 38,336        | 7,168          | 37,969        | 7,100          |
| b. Exterior Utilities                               | 0             | 0              | 0             | 0              | 0             | 0              |
| c. Maintenance & Repair of Other Real Property      | 849           | 157            | 0             | 0              | 1,057         | 198            |
| d. Alterations and Additions                        | 10,698        | 1,982          | 19,726        | 3,688          | 20,305        | 3,797          |
| Subtotal Direct Obligations                         | 43,949        | 8,145          | 58,062        | 10,857         | 59,331        | 11,094         |
| Anticipated Reimbursements                          | 3,000         | 556            | 3,000         | 561            | 3,000         | 561            |
| Estimated Gross Obligations                         | 46,949        | 8,701          | 61,062        | 11,418         | 62,331        | 11,655         |
| <b>4. GRAND TOTAL, O&amp;M - Direct Obligations</b> | 101,930       | 18,890         | 115,678       | 21,630         | 119,892       | 22,418         |
| <b>5. GRAND TOTAL -</b>                             |               |                |               |                |               |                |
| Anticipated Reimbursements                          | 8,000         | 1,483          | 8,000         | 1,496          | 8,000         | 1,496          |
| <b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>  | 109,930       | 20,373         | 123,678       | 23,126         | 127,892       | 23,914         |

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, MARINE CORPS  
FY 2019 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - WORLDWIDE

|                                                | FY 2017       |                | FY 2018       |                | FY 2019       |                |
|------------------------------------------------|---------------|----------------|---------------|----------------|---------------|----------------|
| A. INVENTORY DATA                              |               |                |               |                |               |                |
| Units in Beginning of Year                     | 1,013         |                | 1,781         |                | 1,868         |                |
| Units at End of Year                           | 1,781         |                | 1,868         |                | 1,868         |                |
| Average Inventory for Year                     | 1,254         |                | 1,841         |                | 1,868         |                |
| a. Average Historic Inventory for Year         | (6)           |                | (6)           |                | (6)           |                |
| Requiring O&M Funding                          |               |                |               |                |               |                |
| a. Conterminous U.S.                           | 80            |                | 80            |                | 80            |                |
| b. U.S. Overseas                               | 0             |                | 0             |                | 0             |                |
| c. Foreign                                     | 1,174         |                | 1,761         |                | 1,788         |                |
| d. Worldwide                                   | 1,254         |                | 1,841         |                | 1,868         |                |
|                                                | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) |
| B. FUNDING REQUIREMENT                         |               |                |               |                |               |                |
| 1. OPERATIONS                                  |               |                |               |                |               |                |
| a. Operating Expenses                          |               |                |               |                |               |                |
| (1) Management                                 | 10,402        | 8,295          | 5,451         | 2,961          | 5,351         | 2,865          |
| (2) Services                                   | 1,536         | 1,225          | 2,498         | 1,357          | 2,712         | 1,452          |
| (3) Furnishings                                | 3,344         | 2,667          | 2,664         | 1,447          | 2,623         | 1,404          |
| (4) Miscellaneous                              | 0             | 0              | 0             | 0              | 0             | 0              |
| Subtotal Direct Obligations                    | 15,282        | 12,187         | 10,613        | 5,765          | 10,686        | 5,721          |
| Anticipated Reimbursements                     | 33            | 26             | 35            | 19             | 40            | 21             |
| Estimated Gross Obligations                    | 15,315        | 12,213         | 10,648        | 5,784          | 10,726        | 5,742          |
| 2. UTILITIES                                   | 2,485         | 1,982          | 10,654        | 5,787          | 6,740         | 3,608          |
| Anticipated Reimbursements                     | 264           | 211            | 276           | 150            | 282           | 151            |
| Estimated Gross Obligations                    | 2,749         | 2,192          | 10,930        | 5,937          | 7,022         | 3,759          |
| 3. MAINTENANCE                                 |               |                |               |                |               |                |
| a. Maintenance & Repair of Dwellings           | 4,680         | 3,732          | 4,396         | 2,388          | 5,537         | 2,964          |
| b. Exterior Utilities                          | 124           | 99             | 14,995        | 8,145          | 3,287         | 1,760          |
| c. Maintenance & Repair of Other Real Property | 510           | 407            | 531           | 288            | 465           | 249            |
| d. Alterations and Additions                   | 31            | 25             | 31            | 17             | 87            | 47             |
| Subtotal Direct Obligations                    | 5,345         | 4,262          | 19,953        | 10,838         | 9,376         | 5,019          |
| Anticipated Reimbursements                     | 1,347         | 1,074          | 1,363         | 740            | 1,384         | 741            |
| Estimated Gross Obligations                    | 6,692         | 5,337          | 21,316        | 11,578         | 10,760        | 5,760          |
| 4. GRAND TOTAL, O&M - Direct Obligations       | 23,112        | 18,431         | 41,220        | 22,390         | 26,802        | 14,348         |
| 5. GRAND TOTAL -                               |               |                |               |                |               |                |
| Anticipated Reimbursements                     | 1,644         | 1,311          | 1,674         | 909            | 1,706         | 913            |
| 6. GRAND TOTAL, O&M - Gross Obligations        | 24,756        | 19,742         | 42,894        | 23,299         | 28,508        | 15,261         |

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, MARINE CORPS  
FY 2019 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - CONUS

|                                                | FY 2017 |           | FY 2018 |           | FY 2019 |           |
|------------------------------------------------|---------|-----------|---------|-----------|---------|-----------|
| A. INVENTORY DATA                              |         |           |         |           |         |           |
| Units in Beginning of Year                     | 80      |           | 80      |           | 80      |           |
| Units at End of Year                           | 80      |           | 80      |           | 80      |           |
| Average Inventory for Year                     | 80      |           | 80      |           | 80      |           |
| a. Average Historic Inventory for Year         | (6)     |           | (6)     |           | (6)     |           |
| Requiring O&M Funding                          |         |           |         |           |         |           |
| a. Conterminous U.S.                           | 80      |           | 80      |           | 80      |           |
| b. U.S. Overseas                               | 0       |           | 0       |           | 0       |           |
| c. Foreign                                     | 0       |           | 0       |           | 0       |           |
| d. Worldwide                                   | 0       |           | 0       |           | 0       |           |
|                                                | Total   | Unit      | Total   | Unit      | Total   | Unit      |
|                                                | (\$000) | Cost (\$) | (\$000) | Cost (\$) | (\$000) | Cost (\$) |
| B. FUNDING REQUIREMENT                         |         |           |         |           |         |           |
| 1. OPERATIONS                                  |         |           |         |           |         |           |
| a. Operating Expenses                          |         |           |         |           |         |           |
| (1) Management*                                | 4,847   | 60,588    | 4,970   | 62,125    | 2,545   | 31,813    |
| (2) Services                                   | 163     | 2,038     | 167     | 2,088     | 170     | 2,125     |
| (3) Furnishings                                | 102     | 1,275     | 65      | 813       | 60      | 750       |
| (4) Miscellaneous                              | 0       | 0         | 0       | 0         | 0       | 0         |
| Subtotal Direct Obligations                    | 5,112   | 63,900    | 5,202   | 65,025    | 2,775   | 34,688    |
| Anticipated Reimbursements                     | 0       | 0         | 0       | 0         | 0       | 0         |
| Estimated Gross Obligations                    | 5,112   | 63,900    | 5,202   | 65,025    | 2,775   | 34,688    |
| 2. UTILITIES                                   | 427     | 5,338     | 436     | 5,450     | 331     | 4,138     |
| Anticipated Reimbursements                     | 1       | 13        | 1       | 13        | 2       | 25        |
| Estimated Gross Obligations                    | 428     | 5,350     | 437     | 5,463     | 333     | 4,163     |
| 3. MAINTENANCE                                 |         |           |         |           |         |           |
| a. Maintenance & Repair of Dwellings           | 907     | 11,338    | 920     | 11,500    | 1,103   | 13,788    |
| b. Exterior Utilities                          | 14      | 175       | 15      | 188       | 20      | 250       |
| c. Maintenance & Repair of Other Real Property | 8       | 100       | 9       | 113       | 11      | 138       |
| d. Alterations and Additions                   | 3       | 38        | 3       | 38        | 6       | 75        |
| Subtotal Direct Obligations                    | 932     | 11,650    | 947     | 11,838    | 1,140   | 14,250    |
| Anticipated Reimbursements                     | 31      | 388       | 33      | 413       | 34      | 425       |
| Estimated Gross Obligations                    | 963     | 12,038    | 980     | 12,250    | 1,174   | 14,675    |
| 4. GRAND TOTAL, O&M - Direct Obligations       | 6,471   | 80,888    | 6,585   | 82,313    | 4,246   | 53,075    |
| 5. GRAND TOTAL -                               |         |           |         |           |         |           |
| Anticipated Reimbursements                     | 32      | 400       | 33      | 413       | 36      | 450       |
| 6. GRAND TOTAL, O&M - Gross Obligations        | 6,503   | 81,288    | 6,618   | 82,725    | 4,282   | 53,525    |

\* Per Unit Costs for certain accounts in CONUS are skewed due to the fact that these costs are not directly attributed to government-owned homes and therefore misrepresent the per unit costs for these units. These costs include Housing Office Management Staff, Housing Referral Personnel and Services, and Housing Requirements Market Analyses.

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, MARINE CORPS  
FY 2019 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - US OVERSEAS

|                                                | FY 2017 |           | FY 2018 |           | FY 2019 |           |
|------------------------------------------------|---------|-----------|---------|-----------|---------|-----------|
| A. INVENTORY DATA                              |         |           |         |           |         |           |
| Units in Beginning of Year                     | 0       |           | 0       |           | 0       |           |
| Units at End of Year                           | 0       |           | 0       |           | 0       |           |
| Average Inventory for Year                     | 0       |           | 0       |           | 0       |           |
| a. Average Historic Inventory for Year         | (0)     |           | (0)     |           | (0)     |           |
| Requiring O&M Funding                          |         |           |         |           |         |           |
| a. Conterminous U.S.                           | 0       |           | 0       |           | 0       |           |
| b. U.S. Overseas                               | 0       |           | 0       |           | 0       |           |
| c. Foreign                                     | 0       |           | 0       |           | 0       |           |
| d. Worldwide                                   | 0       |           | 0       |           | 0       |           |
|                                                | Total   | Unit      | Total   | Unit      | Total   | Unit      |
|                                                | (\$000) | Cost (\$) | (\$000) | Cost (\$) | (\$000) | Cost (\$) |
| B. FUNDING REQUIREMENT                         |         |           |         |           |         |           |
| 1. OPERATIONS                                  |         |           |         |           |         |           |
| a. Operating Expenses                          |         |           |         |           |         |           |
| (1) Management                                 | 237     | 0         | 245     | 0         | 268     | 0         |
| (2) Services                                   | 0       | 0         | 0       | 0         | 0       | 0         |
| (3) Furnishings                                | 633     | 0         | 1,272   | 0         | 973     | 0         |
| (4) Miscellaneous                              | 0       | 0         | 0       | 0         | 0       | 0         |
| Subtotal Direct Obligations                    | 870     | 0         | 1,517   | 0         | 1,241   | 0         |
| Anticipated Reimbursements                     | 5       | 0         | 5       | 0         | 5       | 0         |
| Estimated Gross Obligations                    | 875     | 0         | 1,522   | 0         | 1,246   | 0         |
| 2. UTILITIES                                   | 0       | 0         | 0       | 0         | 0       | 0         |
| Anticipated Reimbursements                     | 0       | 0         | 0       | 0         | 0       | 0         |
| Estimated Gross Obligations                    | 0       | 0         | 0       | 0         | 0       | 0         |
| 3. MAINTENANCE                                 |         |           |         |           |         |           |
| a. Maintenance & Repair of Dwellings           | 0       | 0         | 0       | 0         | 0       | 0         |
| b. Exterior Utilities                          | 0       | 0         | 0       | 0         | 0       | 0         |
| c. Maintenance & Repair of Other Real Property | 0       | 0         | 0       | 0         | 0       | 0         |
| d. Alterations and Additions                   | 0       | 0         | 0       | 0         | 0       | 0         |
| Subtotal Direct Obligations                    | 0       | 0         | 0       | 0         | 0       | 0         |
| Anticipated Reimbursements                     | 0       | 0         | 0       | 0         | 0       | 0         |
| Estimated Gross Obligations                    | 0       | 0         | 0       | 0         | 0       | 0         |
| 4. GRAND TOTAL, O&M - Direct Obligations       | 870     | 0         | 1,517   | 0         | 1,241   | 0         |
| 5. GRAND TOTAL -                               |         |           |         |           |         |           |
| Anticipated Reimbursements                     | 5       | 0         | 5       | 0         | 5       | 0         |
| 6. GRAND TOTAL, O&M - Gross Obligations        | 875     | 0         | 1,522   | 0         | 1,246   | 0         |

Overseas housing costs include Hawaii management staff, office telephones, housing office utilities (electricity, water, sewage), stock clerk, overseas temporary loaner furnishings moving and handling, loaner furnishing maintenance and repair, and GSA vehicle rental in support of the temporary loaner furnishing program.

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, MARINE CORPS  
FY 2019 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - FOREIGN

|                                                | FY 2017       |                | FY 2018       |                | FY 2019       |                |
|------------------------------------------------|---------------|----------------|---------------|----------------|---------------|----------------|
| A. INVENTORY DATA                              |               |                |               |                |               |                |
| Units in Beginning of Year                     | 933           |                | 1,701         |                | 1,788         |                |
| Units at End of Year                           | 1,701         |                | 1,788         |                | 1,788         |                |
| Average Inventory for Year                     | 1,174         |                | 1,761         |                | 1,788         |                |
| a. Average Historic Inventory for Year         | (0)           |                | (0)           |                | (0)           |                |
| Requiring O&M Funding                          |               |                |               |                |               |                |
| a. Conterminous U.S.                           | 0             |                | 0             |                | 0             |                |
| b. U.S. Overseas                               | 0             |                | 0             |                | 0             |                |
| c. Foreign                                     | 1,174         |                | 1,761         |                | 1,788         |                |
| d. Worldwide                                   | 0             |                | 0             |                | 0             |                |
|                                                | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) | Total (\$000) | Unit Cost (\$) |
| B. FUNDING REQUIREMENT                         |               |                |               |                |               |                |
| 1. OPERATIONS                                  |               |                |               |                |               |                |
| a. Operating Expenses                          |               |                |               |                |               |                |
| (1) Management                                 | 5,318         | 3,020          | 236           | 134            | 2,538         | 1,419          |
| (2) Services                                   | 1,373         | 780            | 2,331         | 1,324          | 2,542         | 1,422          |
| (3) Furnishings                                | 2,609         | 1,482          | 1,327         | 754            | 1,590         | 889            |
| (4) Miscellaneous                              | 0             | 0              | 0             | 0              | 0             | 0              |
| Subtotal Direct Obligations                    | 9,300         | 5,281          | 3,894         | 2,211          | 6,670         | 3,730          |
| Anticipated Reimbursements                     | 28            | 16             | 30            | 17             | 35            | 20             |
| Estimated Gross Obligations                    | 9,328         | 5,297          | 3,924         | 2,228          | 6,705         | 3,750          |
| 2. UTILITIES                                   | 2,058         | 1,169          | 10,218        | 5,802          | 6,409         | 3,584          |
| Anticipated Reimbursements                     | 263           | 149            | 275           | 156            | 280           | 157            |
| Estimated Gross Obligations                    | 2,321         | 1,318          | 10,493        | 5,959          | 6,689         | 3,741          |
| 3. MAINTENANCE                                 |               |                |               |                |               |                |
| a. Maintenance & Repair of Dwellings           | 3,773         | 3,564          | 3,476         | 3,564          | 4,434         | 2,480          |
| b. Exterior Utilities                          | 110           | 81             | 14,980        | 81             | 3,267         | 1,827          |
| c. Maintenance & Repair of Other Real Property | 502           | 382            | 522           | 382            | 454           | 254            |
| d. Alterations and Additions                   | 28            | 21             | 28            | 21             | 81            | 45             |
| Subtotal Direct Obligations                    | 4,413         | 2,506          | 19,006        | 10,793         | 8,236         | 4,606          |
| Anticipated Reimbursements                     | 1,316         | 285            | 1,330         | 285            | 1,350         | 755            |
| Estimated Gross Obligations                    | 5,729         | 4,332          | 20,336        | 4,332          | 9,586         | 5,361          |
| 4. GRAND TOTAL, O&M - Direct Obligations       | 15,771        | 8,956          | 33,118        | 18,806         | 21,315        | 11,921         |
| 5. GRAND TOTAL -                               |               |                |               |                |               |                |
| Anticipated Reimbursements                     | 1,607         | 913            | 1,635         | 928            | 1,665         | 931            |
| 6. GRAND TOTAL, O&M - Gross Obligations        | 17,378        | 9,868          | 34,753        | 19,735         | 22,980        | 12,852         |

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
OPERATION AND MAINTENANCE - OPERATIONS

(\$000)

|                        |          |
|------------------------|----------|
| FY 2019 Budget Request | \$83,674 |
| FY 2018 Program Budget | \$81,503 |

Purpose and Scope

This program provides for expenses in the following sub-accounts:

Management - Includes direct and indirect expenses in managing the family housing program and community housing referral program. Included in this account are costs associated with housing office and community referral office personnel payroll, civilian pay increases, community liaison, training and travel of housing personnel, vehicle leasing, and costs associated with the enterprise Military Housing (eMH) information system Family Housing Module. Also included are costs associated with the Condition Assessment Program, environmental compliance studies, and housing requirements determination market analyses.

Services - Includes direct and indirect expenses incident to providing basic support services such as refuse collection & disposal, pest control, custodial services for common areas, snow removal & street cleaning.

Furnishings - Includes procuring, controlling, inventorying, managing, moving and handling, maintaining, and repairing household equipment (primarily stoves, refrigerators, washers, and dryers). In overseas and foreign locations, added furniture items (e.g., kitchen cabinets, beds, tables, and dressers) are provided on a loaner basis.

Miscellaneous - Includes payments to the US Coast Guard for Navy occupancy of Coast Guard housing.

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**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
NAVY**

**MANAGEMENT**

Reconciliation of Increases and Decreases

|                                       | <u>(Dollars in Thousands)</u> |        |
|---------------------------------------|-------------------------------|--------|
| 1. FY 2018 President's Budget Request |                               | 45,538 |
| 2. FY 2018 Appropriated Amount        |                               | 45,538 |
| 3. FY 2018 Current Estimate           |                               | 45,538 |
| 4. Price Growth:                      |                               | 441    |
| a. Civilian Personnel Compensation    | 147                           |        |
| b. Inflation                          | 294                           |        |
| 5. Program Decreases:                 |                               | (460)  |
| a. Execution Adjustment               | (460)                         |        |
| 6. FY 2019 President's Budget Request |                               | 45,519 |

**RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT**

Price Growth in the Management account is due to Civilian Personnel Compensation and Inflation adjustments. The Program Decrease is a minor adjustment to account for year-to-year fluctuation in centrally-managed contracts in this account, such as Market Analyses, Condition Assessments, etc. which vary in cost depending on the number and location of installations that are addressed.

**IMPACT OF PRIVATIZATION:** None.

**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
NAVY**

**SERVICES**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |        |
|---------------------------------------|--------|
| 1. FY 2018 President's Budget Request | 13,151 |
| 2. FY 2018 Appropriated Amount        | 13,151 |
| 3. FY 2018 Current Estimate           | 13,151 |
| 4. Price Growth:                      | 124    |
| a. Inflation                          | 157    |
| b. Working Capital Fund               | (33)   |
| 5. Program Increases:                 | 274    |
| a. Execution Adjustment               | 274    |
| 6. FY 2019 President's Budget Request | 13,549 |

**RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT**

Price Growth in the Services account is due to Inflation and Working Capital Fund adjustments. The Program Increase is based on minor growth in refuse collection requirements at NSA Andersen as new homes come online.

**IMPACT OF PRIVATIZATION:** None.

**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
NAVY**

**FURNISHINGS**

Reconciliation of Increases and Decreases

|                                       | <u>(Dollars in Thousands)</u> |
|---------------------------------------|-------------------------------|
| 1. FY 2018 President's Budget Request | 11,865                        |
| 2. FY 2018 Appropriated Amount        | 11,865                        |
| 3. FY 2018 Current Estimate           | 11,865                        |
| 4. Price Growth:                      | 207                           |
| a. Civilian Personnel Compensation    | 2                             |
| b. Inflation                          | 205                           |
| 5. Program Increases:                 | 1,700                         |
| a. Execution Adjustment               | 1,700                         |
| 6. FY 2019 President's Budget Request | 13,772                        |

**RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT**

Price Growth in the Furnishings account is due to Civilian Personnel Compensation and Inflation. The Program Increase is due to the year-to-year fluctuations for the loaner furnishings requirement at US Overseas and Foreign locations.

**IMPACT OF PRIVATIZATION:** None.

**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
NAVY**

**MISCELLANEOUS**

Reconciliation of Increases and Decreases

|                                       | <u>(Dollars in Thousands)</u> |       |
|---------------------------------------|-------------------------------|-------|
| 1. FY 2018 President's Budget Request |                               | 336   |
| 2. FY 2018 Appropriated Amount        |                               | 336   |
| 3. FY 2018 Current Estimate           |                               | 336   |
| 4. Price Growth:                      |                               | 6     |
| a. Inflation                          | 6                             |       |
| 5. Program Decreases:                 |                               | (194) |
| a. Execution Adjustment               | (194)                         |       |
| 6. FY 2019 President's Budget Request |                               | 148   |

**RATIONALE FOR CHANGES IN THE MISCELLANEOUS ACCOUNT**

Price Growth in the Miscellaneous account is due to Inflation adjustments. The Program Decrease is based on a minor reduction in the amount of families that will be reimbursed for residing in Coast Guard housing.

**IMPACT OF PRIVATIZATION:** None.

**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
MARINE CORPS**

**MANAGEMENT**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |       |
|---------------------------------------|-------|
| 1. FY 2018 President's Budget Request | 5,451 |
| 2. FY 2018 Appropriated Amount        | 5,451 |
| 3. FY 2018 Current Estimate           | 5,451 |
| 4. Price Growth:                      | 65    |
| a. Inflation                          | 65    |
| b. Civilian Personnel Compensation    |       |
| 5. Program Decreases                  | (165) |
| a. Execution Adjustment               | (165) |
| 6. FY 2019 President's Budget Request | 5,351 |

**RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT**

Price Growth in the Management account is due to Inflation, and Civilian Personnel Compensation. Reduction to program due to inventory stabilization and reduced inventory requirement studies.

**IMPACT OF PRIVATIZATION:** None.

**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
MARINE CORPS**

**SERVICES**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |       |
|---------------------------------------|-------|
| 1. FY 2018 President's Budget Request | 2,678 |
| 2. FY 2018 Appropriated Amount        | 2,678 |
| 3. FY 2018 Current Estimate           | 2,678 |
| 4. Price Growth:                      | 34    |
| a. Inflation                          | 34    |
| 5. FY 2019 President's Budget Request | 2,712 |

**RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT**

Price Growth in the Services account is due to Inflation adjustments.

**IMPACT OF PRIVATIZATION:** None.

**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
MARINE CORPS**

**FURNISHINGS**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |       |
|---------------------------------------|-------|
| 1. FY 2018 President's Budget Request | 2,664 |
| 2. FY 2018 Appropriated Amount        | 2,664 |
| 3. FY 2018 Current Estimate           | 2,664 |
| 4. Price Decrease:                    | (41)  |
| a. DPRI homes completed               | (41)  |
| 5. FY 2019 President's Budget Request | 2,623 |

**RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT**

Additional outfitting of DPRI (Iwakuni) units completed.

**IMPACT OF PRIVATIZATION:** None.

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - 2019 BUDGET ESTIMATE  
OPERATION AND MAINTENANCE - UTILITIES

(\$000)

|                        |          |
|------------------------|----------|
| FY 2019 Budget Request | \$60,252 |
| FY 2018 Program Budget | \$62,167 |

Purpose and Scope

This program provides for utility services for Navy and Marine Corps Family Housing that include electricity, natural gas, propane, steam/hot water, fuel oil, water, and sewage. Utility requirements are estimated based on historic, per unit expenditures that have been adjusted for inflation and for foreign currency adjustments.

The Department of the Navy's Operation and Maintenance program aims to reduce utility consumption through whole-house improvements to improve energy efficiencies, increased management emphasis on energy conservation, and maintenance and repair projects to reduce energy consumption.

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**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
NAVY**

**UTILITIES**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |         |
|---------------------------------------|---------|
| 1. FY 2018 President's Budget Request | 51,513  |
| 2. FY 2018 Appropriated Amount        | 51,513  |
| 3. FY 2018 Current Estimate           | 51,513  |
| 4. Price Growth:                      | (2,042) |
| a. Inflation                          | 4       |
| b. Working Capital Fund               | (2,046) |
| 5. Program Increases:                 | 4,041   |
| a. Execution Adjustment               | 4,041   |
| 6. FY 2019 President's Budget Request | 53,512  |

**RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT**

Price Growth in the Utilities account is due to minor Inflation growth and Working Capital Fund adjustments. The Program Increase is attributed to increased consumption due to higher occupancy based on new and renovated homes coming online in foreign and overseas locations.

**IMPACT OF PRIVATIZATION:** None

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**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - 2019 BUDGET ESTIMATE  
JUSTIFICATION  
MARINE CORPS**

**UTILITIES**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |         |
|---------------------------------------|---------|
| 1. FY 2018 President's Budget Request | 10,654  |
| 2. FY 2018 Appropriated Amount        | 10,654  |
| 3. FY 2018 Current Estimate           | 10,654  |
| 4. Price Growth:                      |         |
| a. Inflation                          | 82      |
| 5. Program Decreases:                 |         |
| a. Requirements                       | (3,914) |
| 6. FY 2019 President's Budget Request | 6,740   |

**RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT**

Price Growth in the Utilities account is due to Inflation. The Program decreases reflect historical utility consumption and anticipated occupancy of the housing inventory.

**IMPACT OF PRIVATIZATION:** None.

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
OPERATION AND MAINTENANCE - MAINTENANCE

(\$000)

|                        |          |
|------------------------|----------|
| FY 2019 Budget Request | \$86,328 |
| FY 2018 Program Budget | \$95,104 |

Purpose and Scope

This program provides for the maintenance and repair of Family Housing units including: service calls, change of occupancy rehabilitation, routine maintenance, preventative maintenance, interior and exterior painting, exterior utilities, grounds and family housing community facilities, and Major Repairs.

The objective of the Department of the Navy's Maintenance program is to fully fund routine and preventative maintenance necessary to keep adequate homes from falling into disrepair. The Major Repair program is utilized to focus on mechanical, electrical, or structural issues that are too large in scope or too complex to be addressed with routine maintenance funding.

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**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
NAVY**

**MAINTENANCE**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |       |        |
|---------------------------------------|-------|--------|
| 1. FY 2018 President's Budget Request |       | 75,151 |
| 2. FY 2018 Appropriated Amount        |       | 75,151 |
| 3. FY 2018 Current Estimate           |       | 75,151 |
| 4. Price Growth:                      |       | 1,095  |
| a. Civilian Personnel Compensation    | 11    |        |
| b. Inflation                          | 1,152 |        |
| c. Working Capital Fund               | (68)  |        |
| 5. Program Increases:                 |       | 706    |
| a. Execution Adjustment               | 706   |        |
| 6. FY 2019 President's Budget Request |       | 76,952 |

**RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT**

Price Growth in the Maintenance account is due to Civilian Personnel Compensation, Inflation and Working Capital Fund adjustments. The Program Increase is due to year-to-year fluctuation in Major Repair requirements for overseas locations.

**IMPACT OF PRIVATIZATION:** None.

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**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
MARINE CORPS**

**MAINTENANCE**

Reconciliation of Increases and Decreases

|                                       | <u>(Dollars in Thousands)</u> |          |
|---------------------------------------|-------------------------------|----------|
| 1. FY 2018 President's Budget Request |                               | 19,953   |
| 2. FY 2018 Appropriated Amount        |                               | 19,953   |
| 3. FY 2018 Current Estimate           |                               | 19,953   |
| 4. Price Growth:                      |                               | 122      |
| a. Inflation                          | 120                           |          |
| b. Civilian Personnel Compensation    | 2                             |          |
| 5. Program Increases                  |                               | 1,001    |
| a. Global Restationing                | 1,001                         |          |
| 6. Program Decreases                  |                               | (11,700) |
| a. Iwakuni Water Line Replacement     | (11,700)                      |          |
| 7. FY 2019 President's Budget Request |                               | 9,376    |

**RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT**

Price Growth in the Maintenance account is due to Inflation and the Civilian Compensation. The Program Increases are related to the Global Restationing of units to Iwakuni. Significant program decrease due FY18 for Iwakuni water line replacement/repair project.

**IMPACT OF PRIVATIZATION:** None.

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|                                                                                                                                                                                                                                                                                       |                                                   |                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------|
| 1. Component<br>DON                                                                                                                                                                                                                                                                   | <b>FY 2019 MILITARY CONSTRUCTION PROJECT DATA</b> | 2. Date<br>8 JAN 2018                      |
| 3. Installation and Location:<br>NAVAL AND MARINE CORPS INSTALLATIONS<br>INSIDE AND OUTSIDE THE UNITED STATES                                                                                                                                                                         |                                                   |                                            |
| 4. Project Title<br>FAMILY HOUSING REPAIRS GREATER THAN \$20K/UNIT                                                                                                                                                                                                                    |                                                   | 5. Project Number<br>VARIOUS               |
| <u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>                                                                                                                                                                                                                                      |                                                   | (\$000)<br><u>CURRENT WORKING ESTIMATE</u> |
| <b><u>INSIDE THE UNITED STATES</u></b>                                                                                                                                                                                                                                                |                                                   |                                            |
| <b><u>TEXAS</u></b>                                                                                                                                                                                                                                                                   |                                                   |                                            |
| NAS Kingsville<br>(QA 002)                                                                                                                                                                                                                                                            |                                                   | 35.0                                       |
| This project will renovate the bathroom attached to the fourth bedroom, repair and replace cracked and broken sidewalks, and replace previously removed hollow trees at Quarters "A".                                                                                                 |                                                   |                                            |
| <b><u>OUTSIDE THE UNITED STATES</u></b>                                                                                                                                                                                                                                               |                                                   |                                            |
| <b><u>CUBA</u></b>                                                                                                                                                                                                                                                                    |                                                   |                                            |
| NAVSTA Guantanamo Bay<br>(HSG 190003)                                                                                                                                                                                                                                                 |                                                   | 100.0                                      |
| This project will improve indoor air quality, improve energy efficiency, and reduce overall maintenance costs of aged components through replacement and installation of air conditioning ducts and vents of 10 units in the Evans Point neighborhood.                                |                                                   |                                            |
| <b><u>GUAM</u></b>                                                                                                                                                                                                                                                                    |                                                   |                                            |
| NAVBASE Guam<br>(H-02-19)                                                                                                                                                                                                                                                             |                                                   | 149.0                                      |
| This project will prepare and apply protective roof coating to building roof surfaces of six units on Flag Circle. Building roof surfaces in Guam are subject to extreme weather conditions and roof coating will protect the homes from accelerated deterioration.                   |                                                   |                                            |
| NAVBASE Guam<br>(H-03-19)                                                                                                                                                                                                                                                             |                                                   | 723.0                                      |
| This project will prepare and apply protective roof coating to building roof surfaces of 30 units in the North Tipalao neighborhood. Building roof surfaces in Guam are subject to extreme weather conditions and roof coating will protect the homes from accelerated deterioration. |                                                   |                                            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                   |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------|
| 1. Component<br>DON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2019 MILITARY CONSTRUCTION PROJECT DATA</b> | 2. Date<br>8 JAN 2018        |
| 3. Installation and Location:<br>NAVAL AND MARINE CORPS INSTALLATIONS<br>INSIDE AND OUTSIDE THE UNITED STATES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                   |                              |
| 4. Project Title<br>FAMILY HOUSING REPAIRS GREATER THAN \$20K/UNIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                   | 5. Project Number<br>VARIOUS |
| <div style="text-align: right;">(\$000)</div> <div style="display: flex; justify-content: space-between;"> <div><u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u></div> <div><u>CURRENT WORKING ESTIMATE</u></div> </div><br><div style="text-align: center;"><b><u>OUTSIDE THE UNITED STATES</u></b></div><br><div><b><u>JAPAN</u></b></div> <div>COMFLEACT Yokosuka <span style="float: right;">23,000.0</span></div> <div>(HY-19-01)</div> <div>This project will revitalize 68 units in Building 4319, Asagao Tower. Renovation and revitalization include the following: replacement of interior finishes to include flooring, doors, walls, ceiling, windows, sliding glass doors, kitchens, bathrooms and laundry rooms; upgrades to include changing lighting to LED light bulbs, electrical system, potable water system, domestic hot water system, sanitary sewer line, conduit of CATV and telephone, automatic fire sprinkler and fire alarm system; common space work will include stairways, lobbies, hallways, mechanical room and multi-purpose room.</div> |                                                   |                              |

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - 2019 BUDGET ESTIMATE  
GFOQ M&R COST OVER \$35,000 PER UNIT

The Department of the Navy has been making every effort possible to control and reduce expenditures for "high-cost" GFOQ units. The Navy closely monitors all discretionary spending associated with GFOQ units. The Marine Corps has limited its high-cost GFOQ units to five units, all of which are either considered a National Historic Landmark or on the National Register of Historic Places. Both the Navy and the Marine Corps are closely evaluating maintenance and repair requests to ensure work is essential, as well as seeking ways to make these units more energy-efficient and economical to operate.

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------|-------------|----------------------------|----------------------|--------------------------|----------------|
| 1. Component<br>NAVY                                                                                                                                                                                                                                                                 | FY 2019 MILITARY CONSTRUCTION PROJECT DATA |            |             |                            |                      | 2. Date<br>8 JAN 2018    |                |
| 3. Installation and Location:<br>VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES                                                                                                                                                                                              |                                            |            |             |                            |                      |                          |                |
| 4. Project Title<br>GENERAL AND FLAG OFFICER QUARTERS                                                                                                                                                                                                                                |                                            |            |             |                            |                      | 5. Project Number<br>N/A |                |
| <b>STATE/<br/>INSTALLATION</b>                                                                                                                                                                                                                                                       | <b>OTRS ID</b>                             | <b>OPS</b> | <b>UTIL</b> | <b>MAINT<br/>&amp; RPR</b> | <b>HIST<br/>PRES</b> | <b>TOTAL</b>             | <b>IMPROVS</b> |
| <b><u>INSIDE THE UNITED STATES</u></b>                                                                                                                                                                                                                                               |                                            |            |             |                            |                      |                          |                |
| <b><u>TEXAS</u></b>                                                                                                                                                                                                                                                                  |                                            |            |             |                            |                      |                          |                |
| NAS Corpus Christi                                                                                                                                                                                                                                                                   | SOQ 1                                      | 23,400     | 10,000      | 57,000                     | 0                    | 90,400                   | 0              |
| Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls and grounds maintenance. (Year built: 1941; NSF: 4,584)                                                                                    |                                            |            |             |                            |                      |                          |                |
| <b><u>OUTSIDE THE UNITED STATES</u></b>                                                                                                                                                                                                                                              |                                            |            |             |                            |                      |                          |                |
| <b><u>JAPAN</u></b>                                                                                                                                                                                                                                                                  |                                            |            |             |                            |                      |                          |                |
| CFA Yokosuka                                                                                                                                                                                                                                                                         | 11 Nimitz                                  | 15,700     | 5,700       | 38,400                     | 0                    | 59,800                   | 0              |
| Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, grounds maintenance and exterior painting. (Year built: 1992; NSF: 2,259)                                                                 |                                            |            |             |                            |                      |                          |                |
| CFA Yokosuka                                                                                                                                                                                                                                                                         | 16 Halsey                                  | 18,400     | 12,100      | 48,100                     | 0                    | 78,600                   | 0              |
| Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, grounds maintenance, change of occupancy maintenance and exterior painting. (Year built: 1940; NSF: 3,223)                                |                                            |            |             |                            |                      |                          |                |
| CFA Yokosuka                                                                                                                                                                                                                                                                         | 17 Halsey                                  | 19,400     | 11,600      | 101,200                    | 0                    | 132,200                  | 0              |
| Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, grounds maintenance and change of occupancy maintenance. Major repairs include replacing the bamboo fence. (Year built: 1948; NSF: 4,140) |                                            |            |             |                            |                      |                          |                |
| CFA Yokosuka                                                                                                                                                                                                                                                                         | 18 Halsey                                  | 19,400     | 15,900      | 116,700                    | 0                    | 152,000                  | 0              |
| Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, grounds maintenance and change of occupancy maintenance. Major repairs include replacing the bamboo fence. (Year built: 1948; NSF: 4,216) |                                            |            |             |                            |                      |                          |                |
| <b><u>MARIANAS ISLANDS</u></b>                                                                                                                                                                                                                                                       |                                            |            |             |                            |                      |                          |                |
| NB Guam                                                                                                                                                                                                                                                                              | 4 Flag Circle                              | 15,700     | 17,500      | 68,100                     | 0                    | 101,300                  | 0              |
| Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, service calls, change of occupancy and grounds maintenance. Major repairs include sealing the roof. (Year built: 1945; NSF: 3,348)                       |                                            |            |             |                            |                      |                          |                |

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Department of the Navy  
Navy General and Flag Officers' Quarters  
Anticipated Operations and Maintenance Expenditures Exceeding \$35K per Unit for Fiscal Year 2019  
(Dollars in Thousands)

| State/<br>Country | Installation       | Quarters<br>ID     | Year<br>Built | Size<br>NSF | Ops<br>Cost | Utility<br>Cost | Maint<br>Cost | Leasing<br>Cost | Total<br>Costs |
|-------------------|--------------------|--------------------|---------------|-------------|-------------|-----------------|---------------|-----------------|----------------|
| Texas             | NAS Corpus Christi | SOQ 1              | 1941          | 4,584       | \$23.4      | \$10.0          | \$57.0        |                 | \$90.4         |
| Bahrain           | NSA Bahrain        | Villa 1266         | 2000          | 6,500       |             |                 |               | \$327.5         | \$327.5        |
| Cuba              | NS Guantanamo Bay  | M-101              | 1941          | 4,704       | \$14.7      | \$43.2          | \$7.6         |                 | \$65.5         |
| Italy             | NSA Naples         | Villa Capri        | 2005          | 2,648       |             |                 |               | \$51.1          | \$51.1         |
|                   |                    | Villa La Colombaia | 1973          | 8,072       |             |                 |               | \$263.0         | \$263.0        |
|                   |                    | Villa Marilu       | 2007          | 3,615       |             |                 |               | \$173.6         | \$173.6        |
|                   |                    | Villa Ponza        | 2005          | 2,400       |             |                 |               | \$51.1          | \$51.1         |
|                   |                    | Villa Procida      | 2005          | 2,400       |             |                 |               | \$51.1          | \$51.1         |
|                   |                    | Villa Ventotene    | 2005          | 2,400       |             |                 |               | \$50.3          | \$50.3         |
| Japan             | CFA Yokosuka       | 11 Nimitz          | 1992          | 1,921       | \$15.7      | \$5.7           | \$38.4        |                 | \$59.8         |
|                   |                    | 16 Halsey          | 1940          | 3,223       | \$18.4      | \$12.1          | \$48.1        |                 | \$78.6         |
|                   |                    | 17 Halsey          | 1948          | 4,140       | \$19.4      | \$11.6          | \$101.2       |                 | \$132.2        |
|                   |                    | 18 Halsey          | 1948          | 4,140       | \$19.4      | \$15.9          | \$116.7       |                 | \$152.0        |
| Korea             | CFA Chinhae        | #101-3701          | 2009          | 1,905       |             |                 |               | \$49.3          | \$49.3         |
| Mariana Islands   | NB Guam            | 4 Flag Circle      | 1945          | 3,448       | \$15.7      | \$17.5          | \$68.1        |                 | \$101.3        |
|                   | NSA Andersen       | 1000 Rota St       | 1960          | 3,343       | \$13.0      | \$16.0          | \$31.6        |                 | \$60.6         |
| Singapore         | NRC Singapore      | Temasek House      | 1940          | 2,217       |             |                 |               | \$73.7          | \$73.7         |
| Totals            | GFOQ Units         | 17                 |               |             | \$139.7     | \$132.0         | \$468.7       | \$1,090.7       | \$1,831.1      |

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Department of the Navy  
Navy Privatized General and Flag Officers' Quarters  
Operation, Maintenance and Repair Costs Incurred by Private Sector Developer/Partner/Owner  
Exceeding \$50K per Housing Unit  
for Fiscal Year 2017  
(Dollars in Thousands)

| State/Country        | Installation        | Quarters ID          | Year Built | Size NSF | Operations Cost | Maint & Repair Cost | Total FH O&M Cost |
|----------------------|---------------------|----------------------|------------|----------|-----------------|---------------------|-------------------|
| Connecticut          | New London          | C*                   | 1874       | 3,363    | \$17.4          | \$60.8              | \$78.2            |
|                      | Washington          | AA Potomac Annex*    | 1910       | 5,632    | \$34.0          | \$39.5              | \$73.5            |
| District of Columbia | Washington          | B-WNY*               | 1801       | 5,165    | \$28.2          | \$64.7              | \$92.9            |
|                      | Washington          | BB Potomac Annex*    | 1910       | 4,654    | \$32.7          | \$42.7              | \$75.4            |
|                      | Washington          | CC Potomac Annex*    | 1910       | 4,460    | \$23.8          | \$80.1              | \$103.9           |
|                      | Washington          | G-WNY*               | 1880       | 3,271    | \$20.3          | \$115.2             | \$135.5           |
|                      | Washington          | M-1-WNY*             | 1805       | 4,170    | \$20.9          | \$38.7              | \$59.6            |
|                      | Washington          | Tingey House*        | 1804       | 8,940    | \$21.9          | \$83.2              | \$105.1           |
| Hawaii               | Washington          | U-WNY*               | 1937       | 4,135    | \$27.1          | \$56.0              | \$83.1            |
|                      | Pearl Harbor        | 201 Marine Barracks* | 1911       | 3,370    | \$31.6          | \$76.2              | \$107.8           |
|                      | Pearl Harbor        | 29 Makalapa*         | 1941       | 2,681    | \$24.5          | \$55.1              | \$79.6            |
|                      | Pearl Harbor        | 33 Makalapa*         | 1941       | 2,773    | \$19.2          | \$39.9              | \$59.1            |
|                      | Pearl Harbor        | 37 Makalapa*         | 1941       | 3,983    | \$33.7          | \$43.6              | \$77.3            |
|                      | Pearl Harbor        | A Hale Alii*         | 1914       | 5,588    | \$56.4          | \$48.9              | \$105.3           |
|                      | Pearl Harbor        | B Hale Alii*         | 1914       | 3,279    | \$19.4          | \$83.9              | \$103.3           |
|                      | Pearl Harbor        | C Hale Alii*         | 1914       | 2,951    | \$28.9          | \$193.8             | \$222.7           |
|                      | Pearl Harbor        | D Hale Alii*         | 1914       | 3,279    | \$24.6          | \$282.9             | \$307.5           |
|                      | Pearl Harbor        | E Hale Alii*         | 1914       | 3,275    | \$28.1          | \$56.2              | \$84.3            |
|                      | Pearl Harbor        | F Hale Alii*         | 1914       | 3,279    | \$24.4          | \$84.2              | \$108.6           |
|                      | Pearl Harbor        | G Hale Alii*         | 1914       | 3,279    | \$29.3          | \$33.7              | \$63.0            |
|                      | Pearl Harbor        | H Hale Alii*         | 1914       | 3,279    | \$27.2          | \$125.7             | \$152.9           |
|                      | Pearl Harbor        | K Ford Island*       | 1936       | 3,789    | \$28.6          | \$37.8              | \$66.4            |
| Maryland             | Annapolis           | 1 Buchanan*          | 1906       | 13,048   | \$122.4         | \$154.8             | \$277.2           |
|                      | NSA Bethesda        | A-NNMC*              | 1941       | 3,636    | \$20.8          | \$50.3              | \$71.1            |
| Rhode Island         | Newport             | AA-CHI*              | 1896       | 6,020    | \$19.9          | \$67.1              | \$87.0            |
|                      | Hampton Roads       | F-32*                | 1907       | 8,415    | \$21.2          | \$33.6              | \$54.8            |
|                      | Hampton Roads       | F-34*                | 1907       | 6,048    | \$23.2          | \$47.9              | \$71.1            |
|                      | Hampton Roads       | F-35E*               | 1907       | 4,400    | \$18.8          | \$34.8              | \$53.6            |
|                      | Hampton Roads       | G-30*                | 1907       | 12,660   | \$40.0          | \$61.8              | \$101.8           |
|                      | Hampton Roads       | M-5*                 | 1907       | 5,260    | \$32.0          | \$67.8              | \$99.8            |
| Washington           | Portsmouth          | MOQC*                | 1905       | 5,218    | \$15.2          | \$38.9              | \$54.1            |
|                      | NB Kitsap Bremerton | W*                   | 1923       | 3,495    | \$18.4          | \$36.1              | \$54.5            |
|                      | Totals              | 32                   |            |          | \$934.1         | \$2,335.9           | \$3,270.0         |

**Notes:**

- (1) (\*) GFOQ units where Utility Costs are included as part of Operation Costs.
- (2) This annual report complies with the FY 2009 National Defense Authorization Act (NDAA), amended section 2805 requirement.

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| 1. Component<br>MARINE CORPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FY 2019 MILITARY CONSTRUCTION PROJECT DATA |        |        |                |              | 2. Date<br>08-Jan-18     |         |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------|--------|----------------|--------------|--------------------------|---------|------------------------|---------|-----|------|----------------|--------------|-------|---------|---------------------------------|--|--|--|--|--|--|--|-----------------------------|--|--|--|--|--|--|--|---------------------------------------------|--------|--------|--------|--------|---|---------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|------------------|--|--|--|--|--|--|--|---------------------------------------|--------|--------|--------|---------|---|---------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| 3. Installation and Location:<br>VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |        |        |                |              |                          |         |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| 4. Project Title<br>GENERAL AND FLAG OFFICER QUARTERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            |        |        |                |              | 5. Project Number<br>N/A |         |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>STATE/<br/>INSTALLATION</th> <th>QTRS ID</th> <th>OPS</th> <th>UTIL</th> <th>MAINT<br/>&amp; RPR</th> <th>HIST<br/>PRES</th> <th>TOTAL</th> <th>IMPROVS</th> </tr> </thead> <tbody> <tr> <td colspan="8" style="text-align: center;"><u>INSIDE THE UNITED STATES</u></td> </tr> <tr> <td colspan="8"><u>DISTRICT OF COLUMBIA</u></td> </tr> <tr> <td>Marine Barracks, 8th<br/>&amp; I, Washington, DC</td> <td>Qtrs 6</td> <td>12,200</td> <td>44,000</td> <td>72,000</td> <td>0</td> <td>128,200</td> <td>0</td> </tr> <tr> <td colspan="8">Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Change of Occupancy maintenance includes miscellaneous carpentry and carpet cleaning/replacement. (Year built: 1810; NSF: 15,605; NHR)</td> </tr> <tr> <td colspan="8"><u>LOUISIANA</u></td> </tr> <tr> <td>Marine Forces<br/>Reserve, New Orleans</td> <td>Qtrs A</td> <td>14,300</td> <td>16,800</td> <td>153,500</td> <td>0</td> <td>184,600</td> <td>0</td> </tr> <tr> <td colspan="8">Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Change of Occupancy maintenance includes miscellaneous carpentry and carpet cleaning/replacement. Additionally required this year is full repainting of exterior and interior. (Year built: 1840; NSF: 6,483; NHR)</td> </tr> </tbody> </table> |                                            |        |        |                |              |                          |         | STATE/<br>INSTALLATION | QTRS ID | OPS | UTIL | MAINT<br>& RPR | HIST<br>PRES | TOTAL | IMPROVS | <u>INSIDE THE UNITED STATES</u> |  |  |  |  |  |  |  | <u>DISTRICT OF COLUMBIA</u> |  |  |  |  |  |  |  | Marine Barracks, 8th<br>& I, Washington, DC | Qtrs 6 | 12,200 | 44,000 | 72,000 | 0 | 128,200 | 0 | Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Change of Occupancy maintenance includes miscellaneous carpentry and carpet cleaning/replacement. (Year built: 1810; NSF: 15,605; NHR) |  |  |  |  |  |  |  | <u>LOUISIANA</u> |  |  |  |  |  |  |  | Marine Forces<br>Reserve, New Orleans | Qtrs A | 14,300 | 16,800 | 153,500 | 0 | 184,600 | 0 | Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Change of Occupancy maintenance includes miscellaneous carpentry and carpet cleaning/replacement. Additionally required this year is full repainting of exterior and interior. (Year built: 1840; NSF: 6,483; NHR) |  |  |  |  |  |  |  |
| STATE/<br>INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | QTRS ID                                    | OPS    | UTIL   | MAINT<br>& RPR | HIST<br>PRES | TOTAL                    | IMPROVS |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| <u>INSIDE THE UNITED STATES</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |        |        |                |              |                          |         |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| <u>DISTRICT OF COLUMBIA</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |        |        |                |              |                          |         |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Marine Barracks, 8th<br>& I, Washington, DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Qtrs 6                                     | 12,200 | 44,000 | 72,000         | 0            | 128,200                  | 0       |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Change of Occupancy maintenance includes miscellaneous carpentry and carpet cleaning/replacement. (Year built: 1810; NSF: 15,605; NHR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                            |        |        |                |              |                          |         |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| <u>LOUISIANA</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |        |        |                |              |                          |         |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Marine Forces<br>Reserve, New Orleans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Qtrs A                                     | 14,300 | 16,800 | 153,500        | 0            | 184,600                  | 0       |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
| Operations consist of management, services and furnishings. Maintenance and repairs include routine, recurring maintenance, and service calls. Change of Occupancy maintenance includes miscellaneous carpentry and carpet cleaning/replacement. Additionally required this year is full repainting of exterior and interior. (Year built: 1840; NSF: 6,483; NHR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |        |        |                |              |                          |         |                        |         |     |      |                |              |       |         |                                 |  |  |  |  |  |  |  |                             |  |  |  |  |  |  |  |                                             |        |        |        |        |   |         |   |                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |                                       |        |        |        |         |   |         |   |                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |

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Department of the Navy  
Marine Corps General and Flag Officers' Quarters  
Anticipated Operations and Maintenance Expenditures Exceeding \$35K per Unit for Fiscal Year 2019  
(Dollars in Thousands)

| State/<br>Country    | Installation    | Quarters<br>ID | Year<br>Built | Size<br>NSF | Ops<br>Cost | Utility<br>Cost | Maint.<br>Cost | Leasing<br>Cost | Total<br>Costs |
|----------------------|-----------------|----------------|---------------|-------------|-------------|-----------------|----------------|-----------------|----------------|
| District of Columbia | 8th & I Streets | 1              | 1908          | 7,376       | \$12.2      | \$9.4           | \$27.0         | \$0.0           | \$48.6         |
|                      | 8th & I Streets | 2              | 1908          | 6,084       | \$12.2      | \$9.4           | \$27.0         | \$0.0           | \$48.6         |
|                      | 8th & I Streets | 4              | 1908          | 6,084       | \$12.2      | \$9.4           | \$27.0         | \$0.0           | \$48.6         |
|                      | 8th & I Streets | 6              | 1810          | 15,605      | \$12.2      | \$44.0          | \$72.0         | \$0.0           | \$128.2        |
|                      |                 |                |               |             |             |                 |                |                 |                |
| Louisiana            | New Orleans     | A              | 1840          | 6,483       | \$14.3      | \$16.8          | \$153.5        | \$0.0           | \$184.6        |
|                      |                 |                |               |             |             |                 |                |                 |                |
| Totals               | GFOQ Units      | 5              |               |             | \$63.1      | \$89.0          | \$306.5        | \$0.0           | \$458.6        |

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Department of the Navy  
Marine Corps Privatized General and Flag Officers' Quarters  
Operation, Maintenance and Repair Costs Incurred by Private Sector Developer/Partner/Owner  
Exceeding \$50K per Housing Unit  
for Fiscal Year 2017  
(Dollars in Thousands)

| State/Country | Installation   | Quarters ID           | Year Built | Size NSF | Operations Cost | Maint & Repair Cost | Total FH O&M Cost |
|---------------|----------------|-----------------------|------------|----------|-----------------|---------------------|-------------------|
| California    | Camp Pendleton | 115 Dolphin (Del Mar) | 2007       | 4,390    | \$13.20         | \$52.70             | \$65.90           |
| California    | Camp Pendleton | 201 Nicholas          | 2007       | 4,080    | \$14.70         | \$69.70             | \$84.40           |
| Virginia      | Quantico       | 1 Neville             | 1920       | 5,050    | \$11.70         | \$90.70             | \$102.40          |
|               | <b>Totals</b>  | <b>1</b>              |            |          | <b>\$39.6</b>   | <b>\$213.1</b>      | <b>\$252.7</b>    |

Notes:

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
REIMBURSABLE PROGRAM SUMMARY

(\$000)

|                        |          |
|------------------------|----------|
| FY 2019 Budget Request | \$17,706 |
| FY 2018 Program Budget | \$17,674 |

Purpose and Scope

The Reimbursable program includes collections received from the rental of DON family housing to foreign national, civilian, and Coast Guard personnel and collections for occupant-caused damages.

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**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
NAVY**

**REIMBURSABLE AUTHORITY**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |        |
|---------------------------------------|--------|
| 1. FY 2018 President's Budget Request | 16,000 |
| 2. FY 2018 Appropriated Amount        | 16,000 |
| 3. FY 2018 Current Estimate           | 16,000 |
| 4. FY 2019 Budget Request             | 16,000 |

**RATIONALE FOR CHANGES IN THE REIMBURSABLE AUTHORITY ACCOUNT**

No changes noted for FY 2019.

**IMPACT OF PRIVATIZATION:** None.

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**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - 2019 BUDGET ESTIMATES  
JUSTIFICATION  
MARINE CORPS**

**REIMBURSABLE AUTHORITY**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |       |
|---------------------------------------|-------|
| 1. FY 2018 President's Budget Request | 1,675 |
| 2. FY 2018 Appropriated Amount        | 1,675 |
| 3. FY 2018 Current Estimate           | 1,675 |
| 4. Price Growth                       | 31    |
| a. Inflation                          | 31    |
| 5. FY 2019 President's Budget Request | 1,706 |

**RATIONALE FOR CHANGES IN THE REIMBURSABLE AUTHORITY ACCOUNT**

Price Growth due to Inflation.

**IMPACT OF PRIVATIZATION:** None.

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
DEPARTMENT OF THE NAVY LEASING SUMMARY

(\$000)

FY 2019 Budget Request           \$62,515  
FY 2018 Program Budget         \$61,921

Purpose and Scope

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters.

Program Summary

|                  | FY 2017      |              |               | FY 2018      |              |               | FY 2019      |              |               |
|------------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|
|                  | Auth Units   | Avg Units    | Cost (\$000)  | Auth Units   | Avg Units    | Cost (\$000)  | Auth Units   | Avg Units    | Cost (\$000)  |
| <b>Domestic</b>  | <b>200</b>   | <b>200</b>   | <b>5,717</b>  | <b>200</b>   | <b>200</b>   | <b>5,831</b>  | <b>200</b>   | <b>200</b>   | <b>5,948</b>  |
| Navy             | 200          | 200          | 5,717         | 200          | 200          | 5,831         | 200          | 200          | 5,948         |
| <b>Foreign</b>   | <b>1,549</b> | <b>1,549</b> | <b>52,445</b> | <b>1,543</b> | <b>1,543</b> | <b>56,090</b> | <b>1,543</b> | <b>1,543</b> | <b>56,567</b> |
| Navy             | 1,535        | 1,535        | 51,619        | 1,535        | 1,535        | 55,733        | 1,535        | 1,535        | 56,205        |
| USMC             | 14           | 14           | 826           | 8            | 8            | 357           | 8            | 8            | 362           |
| <b>DON Total</b> | <b>1,749</b> | <b>1,749</b> | <b>58,162</b> | <b>1,743</b> | <b>1,743</b> | <b>61,921</b> | <b>1,743</b> | <b>1,743</b> | <b>62,515</b> |

Justification

Domestic Leasing Program Summary: The domestic leasing program is authorized in 10 USC 2828 as amended, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

Foreign Leasing: Leasing in foreign countries is authorized in 10 USC 2828, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

Under Title 10 USC 2834, the Secretary concerned may enter into an agreement with the Secretary of State under which the Secretary of State agrees to provide housing and related services for personnel under jurisdiction of the Secretary concerned who are assigned duty in a foreign country. To the extent that the lease amounts for units of housing made available under this subsection exceed maximum lease amounts in Title 10 USC 2828(e)(1), such units shall not be counted in applying the limitations contained in such section on the number of units of family housing for which the Secretary concerned may waive such maximum lease amounts.

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
NAVY LEASING SUMMARY

(\$000)

FY 2019 Budget Request               \$62,153  
FY 2018 Program Budget               \$61,564

Purpose and Scope

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters.

Program Summary

|                   | FY 2017      |              |               | FY 2018      |              |               | FY 2019      |              |               |
|-------------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|
|                   | Auth Units   | Avg Units    | Cost (\$000)  | Auth Units   | Avg Units    | Cost (\$000)  | Auth Units   | Avg Units    | Cost (\$000)  |
| Domestic          | 200          | 200          | 5,717         | 200          | 200          | 5,831         | 200          | 200          | 5,948         |
| Foreign           | 1,535        | 1,535        | 51,619        | 1,535        | 1,535        | 55,733        | 1,535        | 1,535        | 56,205        |
| <b>Navy Total</b> | <b>1,735</b> | <b>1,735</b> | <b>57,336</b> | <b>1,735</b> | <b>1,735</b> | <b>61,564</b> | <b>1,735</b> | <b>1,735</b> | <b>62,153</b> |

Domestic Leasing Program Summary

The domestic leasing program is authorized in 10 USC 2828 as amended, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

Domestic Leasing Fiscal Year Summary

For FY 2019, the Domestic Leasing Program consists of 200 (average) units requiring funding of \$5.948 million for recruiters at high-cost locations not supported by a military installation.

Foreign Leasing Program Summary

Leasing in foreign countries is authorized in 10 USC 2828, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

Foreign Leasing Fiscal Year Summary

For FY 2019, the Foreign Leasing Program consists of 1,535 (average) units requiring funding of \$56.205 million. This amount consists of \$53.458 million for 1,494 Foreign Leases and \$2.747 million for 41 Department of State leases.

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| <p align="center"><b>FAMILY HOUSING - NAVY</b><br/> <b>(Other than Section 801 and Section 802 Units)</b><br/> <b>FY 2019</b></p> |                  |              |              |                  |              |              |                  |              |              |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------------|--------------|--------------|------------------|--------------|--------------|
| Location                                                                                                                          | FY 2017          |              |              | FY 2018          |              |              | FY 2019          |              |              |
|                                                                                                                                   | Units Authorized | Lease Months | Cost (\$000) | Units Authorized | Lease Months | Cost (\$000) | Units Authorized | Lease Months | Cost (\$000) |
| <b>Domestic Leasing</b>                                                                                                           |                  |              |              |                  |              |              |                  |              |              |
| Recruiters, Var Locs                                                                                                              | 200              | 2,400        | 5,717        | 200              | 2,400        | 5,831        | 200              | 2,400        | 5,948        |
| <b>Total Domestic Leases</b>                                                                                                      | <b>200</b>       | <b>2,400</b> | <b>5,717</b> | <b>200</b>       | <b>2,400</b> | <b>5,831</b> | <b>200</b>       | <b>2,400</b> | <b>5,948</b> |

| <p align="center"><b>FAMILY HOUSING - NAVY</b><br/> <b>(Other than Section 801 and Section 802 Units)</b><br/> <b>FY 2019</b></p> |                  |               |               |                  |               |               |                  |               |               |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|---------------|------------------|---------------|---------------|------------------|---------------|---------------|
| Location                                                                                                                          | FY 2017          |               |               | FY 2018          |               |               | FY 2019          |               |               |
|                                                                                                                                   | Units Authorized | Lease Months  | Cost (\$000)  | Units Authorized | Lease Months  | Cost (\$000)  | Units Authorized | Lease Months  | Cost (\$000)  |
| <b>Foreign Leasing</b>                                                                                                            |                  |               |               |                  |               |               |                  |               |               |
| Chinhae, Korea                                                                                                                    | 1                | 12            | 48            | 1                | 12            | 49            | 1                | 12            | 50            |
| Manama, Bahrain                                                                                                                   | 1                | 12            | 284           | 1                | 12            | 290           | 1                | 12            | 296           |
| Naples, Italy                                                                                                                     | 853              | 10,236        | 22,499        | 853              | 10,236        | 26,031        | 853              | 10,236        | 25,909        |
| Sigonella, Italy                                                                                                                  | 526              | 6,312         | 17,950        | 526              | 6,312         | 18,309        | 526              | 6,312         | 18,675        |
| Singapore, Singapore                                                                                                              | 113              | 1,356         | 8,282         | 113              | 1,356         | 8,448         | 113              | 1,356         | 8,617         |
| <b>Foreign Leases (Sub-total)</b>                                                                                                 | <b>1,494</b>     | <b>17,928</b> | <b>49,063</b> | <b>1,494</b>     | <b>17,928</b> | <b>53,127</b> | <b>1,494</b>     | <b>17,928</b> | <b>53,547</b> |
| <b>Foreign Leasing (DoS Leases)</b>                                                                                               |                  |               |               |                  |               |               |                  |               |               |
| Accra, Ghana                                                                                                                      | 2                | 24            | 94            | 2                | 24            | 96            | 2                | 24            | 98            |
| Bandar Seri Begawan, Brunei                                                                                                       | 1                | 12            | 41            | 1                | 12            | 42            | 1                | 12            | 43            |
| Belgrade, Serbia                                                                                                                  | 1                | 12            | 24            | 1                | 12            | 24            | 1                | 12            | 24            |
| Cairo, Egypt                                                                                                                      | 12               | 144           | 616           | 12               | 144           | 628           | 12               | 144           | 641           |
| Dubai, U.A.E.                                                                                                                     | 1                | 12            | 99            | 1                | 12            | 101           | 1                | 12            | 103           |
| East Timor, Indonesia                                                                                                             | 1                | 12            | 110           | 1                | 12            | 112           | 1                | 12            | 114           |
| Jakarta, Indonesia                                                                                                                | 1                | 12            | 71            | 1                | 12            | 72            | 1                | 12            | 73            |
| Kuala Lumpur, Malaysia                                                                                                            | 1                | 12            | 44            | 1                | 12            | 45            | 1                | 12            | 46            |
| Lima, Peru                                                                                                                        | 10               | 120           | 570           | 10               | 120           | 581           | 10               | 120           | 593           |
| New Delhi, India                                                                                                                  | 2                | 24            | 131           | 2                | 24            | 134           | 2                | 24            | 137           |
| Oslo, Norway                                                                                                                      | 1                | 12            | 68            | 1                | 12            | 69            | 1                | 12            | 70            |
| Paris, France                                                                                                                     | 1                | 12            | 37            | 1                | 12            | 38            | 1                | 12            | 39            |
| Phnom Penh, Cambodia                                                                                                              | 2                | 24            | 150           | 2                | 24            | 153           | 2                | 24            | 156           |
| Rio de Janeiro, Brazil                                                                                                            | 2                | 24            | 213           | 2                | 24            | 217           | 2                | 24            | 221           |
| Singapore, Singapore                                                                                                              | 2                | 24            | 229           | 2                | 24            | 234           | 2                | 24            | 239           |
| Tel Aviv, Israel                                                                                                                  | 1                | 12            | 59            | 1                | 12            | 60            | 1                | 12            | 61            |
| <b>DoS Leases (Sub-total)</b>                                                                                                     | <b>41</b>        | <b>492</b>    | <b>2,556</b>  | <b>41</b>        | <b>492</b>    | <b>2,606</b>  | <b>41</b>        | <b>492</b>    | <b>2,658</b>  |
| <b>Total Foreign Leases</b>                                                                                                       | <b>1,535</b>     | <b>18,420</b> | <b>51,619</b> | <b>1,535</b>     | <b>18,420</b> | <b>55,733</b> | <b>1,535</b>     | <b>18,420</b> | <b>56,205</b> |



**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
NAVY**

**LEASING**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |       |        |
|---------------------------------------|-------|--------|
| 1. FY 2018 President's Budget Request |       | 61,564 |
| 2. FY 2018 Appropriated Amount        |       | 61,564 |
| 3. FY 2018 Current Estimate           |       | 61,564 |
| 4. Price Growth:                      |       | 1,006  |
| a. Civilian Personnel Compensation    | 16    |        |
| b. Inflation                          | 1,033 |        |
| c. Working Capital Fund               | (43)  |        |
| 5. Program Decreases:                 |       | (417)  |
| a. Execution Adjustment               | (417) |        |
| 6. FY 2019 President's Budget Request |       | 62,153 |

**RATIONALE FOR CHANGES IN THE LEASING ACCOUNT**

Price Growth in the Leasing account is due to Civilian Personnel Compensation, Inflation, and Working Capital Fund adjustments. The Program Decrease is due to year-to-year fluctuation in minor repair and furnishings replacement requirements for the block lease at Naples, Italy.

**IMPACT OF PRIVATIZATION:** None.

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
MARINE CORPS LEASING SUMMARY

(\$000)

FY 2019 Budget Request               \$362  
FY 2018 Program Budget               \$357

Purpose and Scope

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters.

Program Summary

|                   | FY 2017       |              |                 | FY 2018       |              |                 | FY 2019       |              |                 |
|-------------------|---------------|--------------|-----------------|---------------|--------------|-----------------|---------------|--------------|-----------------|
|                   | Auth<br>Units | Avg<br>Units | Cost<br>(\$000) | Auth<br>Units | Avg<br>Units | Cost<br>(\$000) | Auth<br>Units | Avg<br>Units | Cost<br>(\$000) |
| Domestic          | 0             | 0            | 0               | 0             | 0            | 0               | 0             | 0            | 0               |
| 801               | 0             | 0            | 0               | 0             | 0            | 0               | 0             | 0            | 0               |
| 802               | 0             | 0            | 0               | 0             | 0            | 0               | 0             | 0            | 0               |
| Foreign           | 14            | 14           | 826             | 8             | 8            | 357             | 8             | 8            | 362             |
| <b>USMC Total</b> | <b>14</b>     | <b>14</b>    | <b>826</b>      | <b>8</b>      | <b>8</b>     | <b>357</b>      | <b>8</b>      | <b>8</b>     | <b>362</b>      |

Justification

Domestic Leasing Fiscal Year Summary

FY 2017 - No funding required. Section 802 project in Hawaii was terminated on 30 Sep 15.

FY 2018 & FY 2019 - No funding required.

Foreign Leasing Program Summary

Under Title 10 USC 2834, the Secretary concerned may enter into an agreement with the Secretary of State under which the Secretary of State agrees to provide housing and related services for personnel under jurisdiction of the Secretary concerned who are assigned duty in a foreign country. To the extent that the lease amounts for units of housing made available under this subsection exceed maximum lease amounts in Title 10 USC 2828(e)(1), such units shall not be counted in applying the limitations contained in such section on the number of units of family housing for which the Secretary concerned may waive such maximum lease amounts.

Foreign Leasing Fiscal Year Summary

The FY 2018 unit authorization consists of 8 leases provided for members in overseas locations in which the Department of State International Cooperative Administrative Support Services (ICASS) program administers the lease (Foreign Area Officer (FAO), Olmsted Scholar, School of Other Nations program and other Foreign Professional Military Education program) with the Marine Corps providing the appropriated funding. Funding in the amount of \$0.357 million is required to support these leases.

The FY 2019 unit authorization consists of 8 leases provided for members in overseas locations in which the Department of State International Cooperative Administrative Support Services (ICASS) program administers the lease (Foreign Area Officer (FAO), Olmsted Scholar, School of Other Nations program and other Foreign Professional Military Education program) with the Marine Corps providing the appropriated funding. Funding in the amount of \$0.362 million is required to support these leases.

| <p align="center"><b>FAMILY HOUSING - MARINE CORPS</b><br/> <b>(Other than Section 801 and Section 802 Units)</b><br/> <b>FY 2019</b></p> |                  |              |              |                  |              |              |                  |              |              |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------------|--------------|--------------|------------------|--------------|--------------|
| Location                                                                                                                                  | FY 2017          |              |              | FY 2018          |              |              | FY 2019          |              |              |
|                                                                                                                                           | Units Authorized | Lease Months | Cost (\$000) | Units Authorized | Lease Months | Cost (\$000) | Units Authorized | Lease Months | Cost (\$000) |
| <b>Foreign Leasing</b>                                                                                                                    |                  |              |              |                  |              |              |                  |              |              |
| * Rio De Janiero, Brazil                                                                                                                  | 1                | 12           | 142          | 2                | 24           | 103          | 2                | 24           | 102          |
| * Cairo, Egypt                                                                                                                            | 1                | 12           | 71           | 0                | 0            | 0            | 0                | 0            | 0            |
| * Tblisi, Georgia                                                                                                                         | 1                | 12           | 30           | 1                | 12           | 23           | 0                | 0            | 0            |
| * New Delhi, India                                                                                                                        | 1                | 12           | 55           | 0                | 0            | 0            | 1                | 12           | 41           |
| * Tel Aviv, Israel                                                                                                                        | 2                | 24           | 128          | 1                | 12           | 101          | 1                | 12           | 36           |
| * Amman, Jordan                                                                                                                           | 2                | 24           | 60           | 1                | 12           | 31           | 1                | 12           | 35           |
| * Rabat, Morocco                                                                                                                          | 1                | 12           | 97           | 0                | 0            | 0            | 0                | 0            | 0            |
| * Muscat, Oman                                                                                                                            | 0                | 0            | 0            | 0                | 0            | 0            | 1                | 12           | 44           |
| * Dakkar, Senegal                                                                                                                         | 1                | 12           | 38           | 0                | 0            | 0            | 1                | 12           | 40           |
| * Tunis, Tunisia                                                                                                                          | 1                | 12           | 45           | 0                | 0            | 0            | 0                | 0            | 0            |
| * Ankara, Turkey                                                                                                                          | 0                | 0            | 0            | 1                | 12           | 31           | 0                | 0            | 0            |
| * Kiev, Ukraine                                                                                                                           | 0                | 0            | 0            | 0                | 0            | 0            | 0                | 0            | 0            |
| * Riga, Latvia                                                                                                                            | 2                | 24           | 68           | 0                | 0            | 0            | 0                | 0            | 0            |
| * Colombo, Sri Lanka                                                                                                                      | 0                | 0            | 0            | 1                | 12           | 5            | 0                | 0            | 0            |
| * Paris, France                                                                                                                           | 1                | 12           | 92           | 1                | 12           | 63           | 1                | 12           | 64           |
| * Hanoi, Vietnam                                                                                                                          | 0                | 0            | 0            | 0                | 0            | 0            | 0                | 0            | 0            |
| <b>Total Foreign Leases</b>                                                                                                               | <b>14</b>        | <b>168</b>   | <b>826</b>   | <b>8</b>         | <b>96</b>    | <b>357</b>   | <b>8</b>         | <b>96</b>    | <b>362</b>   |

\* STATE DEPARTMENT pool leases do not count against the total number of high cost leases allowed.

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**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
MARINE CORPS**

**LEASING**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |     |
|---------------------------------------|-----|
| 1. FY 2018 President's Budget Request | 357 |
| 2. FY 2018 Appropriated Amount        | 357 |
| 3. FY 2018 Current Estimate           | 357 |
| 4. Price Growth                       | 5   |
| a. Inflation                          | 5   |
| 5. FY 2019 President's Budget Request | 362 |

**RATIONALE FOR CHANGES IN THE LEASING ACCOUNT**

Price Growth in the Leasing Account is due to Inflation.

**IMPACT OF PRIVATIZATION:** None.

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
DEPARTMENT OF THE NAVY PRIVATIZATION SUMMARY

(\$000)

|                        |          |
|------------------------|----------|
| FY 2019 Budget Request | \$21,767 |
| FY 2018 Program Budget | \$27,587 |

Purpose and Scope

The Fiscal Year 1996 Military Housing Privatization Initiative (MHPI) included in Public Law 104-106 is an essential tool used by the Department of the Navy (DON) to eliminate inadequate housing. The Privatization Initiative permits DON to enter into business agreements with the private sector, utilizing private sector resources, leveraged by Navy assets (inventory, land, & funding), to improve, replace, and build family housing faster than could otherwise be accomplished through the traditional military construction approach. Private business entities will own, operate, and maintain housing on behalf of the DON and lease quality homes to military personnel and their families at affordable rates.

Program Summary

Currently, the DON has 41 active Public Private Venture (PPV) projects. The DON took a deliberate, measured approach in evaluating which blend of authorities would provide the desired leverage of resources with sufficient protection of the Government's resources and interests over the long-term. These 41 projects have been executed through FY 2017, totaling over 62,000 homes. This number reflects privatized housing end states. Please see the appropriate Service narrative summary and FH-6 exhibits for project-level details.

Estimated Basic Allowance for Housing (BAH) To Be Paid To Members Living In Privatized Housing

It is estimated that the Department of the Navy will pay BAH under section 403 of title 37 to members living in privatized housing the amounts of \$1,392,869 in FY 2018 and \$1,437,660 in FY 2019. The number of units of military family housing upon which these estimated payments are made is 53,341 in FY 2018 and 53,341 in FY 2019. The number of units of military unaccompanied housing upon which these estimated payments are made is 5,887 in FY 2018 and 5,887 in FY 2019.

These estimates meet the reporting requirement stipulated in 10 USC 2884 (b) (2). However, it must be noted that that is difficult to project the true cost of BAH allowances provided to members living in privatized housing. BAH allowances for members in privatized housing are not specifically tracked in budget or execution data, as these members receive the same allowances as those who live on the economy. BAH accounting data is available for only the various categories of payments (for instance, domestic with and without dependents, partial, overseas housing allowances, etc.).

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
NAVY PRIVATIZATION SUMMARY

(\$000)

FY 2019 Budget Request      \$14,118  
FY 2018 Program Budget      \$17,583

Purpose and Scope

The Fiscal Year 1996 Military Housing Privatization Initiative (MHPI) included in Public Law 104-106 is an essential tool used by the Department of the Navy (DON) to eliminate inadequate housing. The Privatization Initiative permits the Navy to enter into business agreements with the private sector, utilizing private sector resources leveraged by Navy assets (inventory, land, & funding), to improve, replace, and build family housing faster than could otherwise be accomplished through the traditional military construction approach. Private entities will own, operate and maintain housing on behalf of the Navy and lease quality homes to military personnel and their families at affordable rates.

Program Summary

The Navy successfully awarded the first two Public Private Venture (PPV) projects in 1996 and 1997 at Corpus Christi/Ingleside/Kingsville, Texas, and Everett, Washington, respectively, under 1995 Limited Partnership legislative authority available only to the Navy. The Navy subsequently modified both projects to pay differential lease payments, reducing rents paid by military members and eliminating out-of-pocket expenses. The Department of the Navy (DON) took a deliberate, measured approach in evaluating which blend of authorities would provide the desired leverage of resources with sufficient protection of the Government's resources and interests over the long-term. With this approach in place, the Navy has awarded twenty-one additional projects; three in FY 2001, two in FY 2002, one in FY 2003, one in FY 2004, three in FY 2005, three in FY 2006, three in FY 2007, two in FY 2010, one in FY 2014, one in FY 2017, and one in FY 2018 for a total of 39,055 homes. Total Navy projects awarded are:

|         |                                |             |
|---------|--------------------------------|-------------|
| FY 1996 | Kingsville, TX (Kingsville I)  | 0 homes*    |
| FY 1997 | Everett, WA (Everett I)        | 0 homes**   |
| FY 2001 | Kingsville, TX (Kingsville II) | 150 homes   |
|         | Everett, WA (Everett II)       | 0 homes***  |
|         | San Diego I                    | 3,248 homes |
| FY 2002 | New Orleans                    | 936 homes   |
|         | South Texas                    | 417 homes   |
| FY 2003 | San Diego II                   | 3,217 homes |
| FY 2004 | Hawaii I                       | 1,952 homes |
| FY 2005 | Northeast Region               | 2,950 homes |
|         | Northwest Region               | 2,745 homes |
|         | Mid-Atlantic Region            | 5,744 homes |
| FY 2006 | Midwest Region                 | 1,401 homes |
|         | San Diego III                  | 4,268 homes |
|         | Hawaii III                     | 2,520 homes |
| FY 2007 | Southeast Region               | 4,673 homes |
|         | San Diego PH IV                | 3,523 homes |
|         | Midwest Region PH II           | 318 homes   |

|         |                        |           |
|---------|------------------------|-----------|
| FY 2010 | Mid-Atlantic PH II     | 31 homes  |
|         | San Diego PH V         | 257 homes |
| FY 2014 | Northwest Region PH II | 624 homes |
| FY 2017 | Mid-Atlantic PH V      | -5 homes  |
| FY 2018 | San Diego PH VI        | 86 homes  |

\* Project originally 404 homes, however all homes have since been sold.

\*\* Project originally 185 homes, however all homes have since been sold.

\*\*\* Project originally 288 homes, however all homes have since been sold.

In FY 2018, the Navy plans to award San Diego PH VI, which will convey 127 existing units and projects an end-state of 86 homes. Additionally, the Navy has awarded Mid-Atlantic PH V, which demolishes five homes located in the Runway Clear Zone at NAS Patuxent River. This will give the Navy an EOY 2018 PPV end-state of 39,055 homes. The FH-6 - Family Housing Privatization Exhibit provides further detail.

There are an additional 646 Navy homes that were privatized within another Service's project, not included in the tables. There is an Army RCI project (Presidio of Monterey) that includes the privatization of 593 Navy homes at Monterey, CA and a Marine Corps project (Atlantic Marines PH III/CLCPS Phase IV/Tri-Command Communities) that includes the privatization of 53 Navy homes at Beaufort, SC.

PPV is one of the approaches to eliminate inadequate homes. The Navy is utilizing a three-pronged approach for eliminating inadequate homes including reliance on Basic Allowance for Housing (BAH), PPVs, and traditional construction funding.

#### Estimated Basic Allowance for Housing (BAH) To Be Paid To Members Living In Privatized Housing

It is estimated that the Navy will pay BAH under section 403 of title 37 to members living in privatized housing the amounts of \$902,043 in FY 2018 and \$930,484 in FY 2019. The number of units of military family housing upon which these estimated payments are made is 31,636 in FY 2018 and 31,636 in FY 2019. The number of units of military unaccompanied housing upon which these estimated payments are made is 5,887 in FY 2018 and 5,887 in FY 2019.

These estimates meet the reporting requirement stipulated in 10 USC 2884 (b) (2). However, it must be noted that that is difficult to project the true cost of BAH allowances provided to members living in privatized housing. BAH allowances for members in privatized housing are not specifically tracked in budget or execution data, as these members receive the same allowances as those who live on the economy. BAH accounting data is available for only the various categories of payments (for instance, domestic with and without dependents, partial, overseas housing allowances, etc.).

**DEPARTMENT OF NAVY, NAVY**  
**Exhibit FH-6 Military Housing Privatization Initiative (MHPI) - Family Housing Privatization**  
**Fiscal Year 2019**

| Privatization Date <sup>1</sup> | MHPI Project Name <sup>2</sup> | Installation/State <sup>3</sup>                   | Approved by OSD & OMB <sup>4</sup> |                                  |                            |                              | Funding Source(s) <sup>7</sup> |                                   |                                 |                                   | No. Units Conveyed <sup>5</sup> | No. End State Units <sup>6</sup> | Actual/Current Plan <sup>8</sup> |                              |                             |                                   | Total No. Units in Current Inventory <sup>11</sup> | No. End State Units <sup>10</sup> | Funding Source(s) <sup>12</sup> |  |  |  | MHPI Authorities <sup>13</sup>            |
|---------------------------------|--------------------------------|---------------------------------------------------|------------------------------------|----------------------------------|----------------------------|------------------------------|--------------------------------|-----------------------------------|---------------------------------|-----------------------------------|---------------------------------|----------------------------------|----------------------------------|------------------------------|-----------------------------|-----------------------------------|----------------------------------------------------|-----------------------------------|---------------------------------|--|--|--|-------------------------------------------|
|                                 |                                |                                                   | No. Units Conveyed <sup>5</sup>    | No. End State Units <sup>6</sup> | Amount (\$M) <sup>7a</sup> | Budget Year(s) <sup>7b</sup> | Type of Funds <sup>7c</sup>    | Source Project Name <sup>7d</sup> | No. Units Conveyed <sup>8</sup> | No. End State Units <sup>10</sup> |                                 |                                  | Amount (\$M) <sup>12</sup>       | Budget Year(s) <sup>12</sup> | Type of Funds <sup>12</sup> | Source Project Name <sup>12</sup> |                                                    |                                   |                                 |  |  |  |                                           |
| Jul-96                          | Kingsville I                   | Kingsville/Portland, TX                           | 0                                  | 404                              | \$9,500                    | FY96                         | FHIF                           | PL 104-32                         | 0                               | 0                                 | 0                               | 0                                | \$9,500                          | FY96                         | FHIF                        | PL 104-32                         |                                                    |                                   |                                 |  |  |  | #3 & 10 USC 2837, 2880, 2881              |
|                                 |                                |                                                   |                                    |                                  | \$1,800                    | FY95                         | FHNC                           | H291 CMP Pendleton                |                                 |                                   |                                 |                                  | \$1,800                          | FY95                         | FHNC                        | H291 CMP Pendleton                |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                |                                                   |                                    |                                  | \$6,700                    | FY96                         | FHNC                           | H314 PWC San Diego                |                                 |                                   |                                 |                                  | \$6,700                          | FY96                         | FHNC                        | H314 PWC San Diego                |                                                    |                                   |                                 |  |  |  |                                           |
| Mar-97                          | Everett I                      | NS Everett, WA                                    | 0                                  | 185                              | \$3,000                    | FY96                         | FHNC                           | H314 PWC San Diego                |                                 |                                   |                                 |                                  | \$3,000                          | FY96                         | FHNC                        | H314 PWC San Diego                |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                |                                                   |                                    |                                  | \$2,900                    | FY97                         | FHNC                           | H315 PWC San Diego                | 0                               | 0                                 | 0                               | 0                                | \$2,900                          | FY97                         | FHNC                        | H315 PWC San Diego                |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                |                                                   |                                    |                                  | \$2,000                    | FY99                         | FHIF                           | PL 105-237                        |                                 |                                   |                                 |                                  | \$2,000                          | FY99                         | FHIF                        | PL 105-237                        |                                                    |                                   |                                 |  |  |  |                                           |
| Nov-00                          | Kingsville II                  | NS Kingsville, TX                                 | 244                                | 150                              | \$6,200                    | FY97                         | FHNC                           | H400 NAS Kingsville               | 244                             | 150                               | 150                             | 150                              | \$6,200                          | FY97                         | FHNC                        | H400 NAS Kingsville               |                                                    |                                   |                                 |  |  |  | #1, #3, #5 & 10 USC 2880, 2881            |
|                                 |                                |                                                   |                                    |                                  | \$15,000                   | FY97                         | FHNC                           | H508 NS Puget Sound               |                                 |                                   |                                 |                                  | \$15,000                         | FY97                         | FHNC                        | H508 NS Puget Sound               |                                                    |                                   |                                 |  |  |  |                                           |
| Dec-00                          | Everett II                     | NS Everett, WA                                    | 0                                  | 288                              | \$3,400                    | FY99                         | FHIF                           | PL 105-237                        | 0                               | 0                                 | 0                               | 0                                | \$3,400                          | FY99                         | FHIF                        | PL 105-237                        |                                                    |                                   |                                 |  |  |  | #3, #4 & 10 USC 2880, 2881                |
|                                 |                                |                                                   |                                    |                                  | \$0,500                    | FY99                         | FHIF                           | H379 NPWC Pearl Harbor            |                                 |                                   |                                 |                                  | \$0,500                          | FY99                         | FHIF                        | H379 NPWC Pearl Harbor            |                                                    |                                   |                                 |  |  |  |                                           |
| Aug-01                          | San Diego PH I                 | NS San Diego, CA PH I                             | 2,660                              | 3,248                            | \$11,900                   | FY98                         | FHNC                           | H-571 PWC San Diego               | 2,660                           | 3,248                             | 3,248                           | 3,248                            | \$11,900                         | FY98                         | FHNC                        | H-571 PWC San Diego               |                                                    |                                   |                                 |  |  |  | #3, #5 & 10 USC 2880, 2881                |
|                                 |                                |                                                   |                                    |                                  | \$9,000                    | FY99                         | FHIF                           | PL 100-202                        |                                 |                                   |                                 |                                  | \$9,000                          | FY99                         | FHIF                        | PL 100-202                        |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                |                                                   |                                    |                                  | \$6,200                    | FY97                         | FHNC                           | H-365 MCAS Beaufort               |                                 |                                   |                                 |                                  | \$6,200                          | FY97                         | FHNC                        | H-365 MCAS Beaufort               |                                                    |                                   |                                 |  |  |  |                                           |
| Oct-01                          | New Orleans                    | NS New Orleans, LA                                | 498                                | 941                              | \$11,900                   | FY98                         | FHNC                           | H-389 NAS New Orleans             | 498                             | 936                               | 936                             | 936                              | \$11,900                         | FY98                         | FHNC                        | H-389 NAS New Orleans             |                                                    |                                   |                                 |  |  |  | #3, #5 & 10 USC 2880, 2881                |
|                                 |                                |                                                   |                                    |                                  | \$5,000                    | FY01                         | FHNC                           | H-535 NSA New Orleans             |                                 |                                   |                                 |                                  | \$5,000                          | FY01                         | FHNC                        | H-535 NSA New Orleans             |                                                    |                                   |                                 |  |  |  |                                           |
| Feb-02                          | South Texas                    | NAS Corpus Christi, TX                            | 537                                | 665                              | \$22,300                   | FY98                         | FHNC                           | H-581 NAS Corpus Christi          | 465                             | 417                               | 417                             | 417                              | \$22,300                         | FY98                         | FHNC                        | H-581 NAS Corpus Christi          |                                                    |                                   |                                 |  |  |  | #3, #5 & 10 USC 2880, 2881                |
|                                 |                                | NS Ingleside, TX                                  |                                    |                                  | \$7,100                    | N/A                          | FHIF                           | H-365 MCAS Beaufort               | 72                              | 0                                 | 0                               | 0                                | \$7,100                          | N/A                          | FHIF                        | H-365 MCAS Beaufort               |                                                    |                                   |                                 |  |  |  |                                           |
| May-03                          | San Diego PH I                 | NS San Diego, CA PH II                            | 3,302                              | 3,217                            | \$0,000                    | N/A                          | N/A                            | No DoN Contribution               | 3,302                           | 3,217                             | 3,217                           | 3,217                            | \$0,000                          | N/A                          | N/A                         | No DoN Contribution               |                                                    |                                   |                                 |  |  |  | #3, #5 & 10 USC 2880, 2881, 2882(c)       |
| May-04                          | Hawaii Regional PH I           | NAVSTA Pearl Harbor PH I                          | 2,003                              | 1,948                            | \$24,742                   | FY03                         | FHIMP                          | H-1-03 - Pearl Harbor PPV Seed    | 2,003                           | 1,952                             | 1,952                           | 1,952                            | \$24,742                         | FY03                         | FHIMP                       | H-1-03 - Pearl Harbor PPV Seed    |                                                    |                                   |                                 |  |  |  | #3, #5 & 10 USC 2880, 2881, 2882(c), 2883 |
|                                 |                                |                                                   |                                    |                                  | \$0,258                    | FY03                         | P&D                            | N/A                               |                                 |                                   |                                 |                                  | \$0,258                          | FY03                         | P&D                         | N/A                               |                                                    |                                   |                                 |  |  |  |                                           |
| Nov-04                          | Northeast Regional             | Lakehurst, NJ                                     |                                    |                                  |                            |                              |                                |                                   | 189                             | 114                               | 114                             | 114                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | New London, CT                                    |                                    |                                  |                            |                              |                                |                                   | 2,119                           | 1,395                             | 1,395                           | 1,395                            |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NAVSTA Newport, RI                                |                                    |                                  |                            |                              |                                |                                   | 1,346                           | 690                               | 690                             | 690                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NSY Portsmouth, NH                                |                                    |                                  |                            |                              |                                |                                   | 233                             | 212                               | 212                             | 212                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NSU Saratoga Springs, NY                          |                                    | 4,264                            | \$0,000                    | N/A                          | N/A                            | No DoN Contribution               | 200                             | 200                               | 200                             | 200                              | \$0,000                          | N/A                          | N/A                         | No DoN Contribution               |                                                    |                                   |                                 |  |  |  | #3, #5 & 10 USC 2872(a), 2880, 2881       |
|                                 |                                | Mitchel Complex NRD NY                            |                                    |                                  |                            |                              |                                |                                   | 510                             | 250                               | 250                             | 250                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NAWPNSTA Earle, NJ                                |                                    |                                  |                            |                              |                                |                                   | 254                             | 89                                | 89                              | 89                               |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NAS Brunswick, ME                                 |                                    |                                  |                            |                              |                                |                                   | 750                             | 0                                 | 0                               | 0                                |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
| Feb-05                          | Northwest Regional PH I        | NB Kitsap-Bangor, WA                              |                                    |                                  | \$10,112                   | FY01                         | P&D                            | N/A                               | 1,218                           | 1,038                             | 1,038                           | 1,038                            | \$10,112                         | FY01                         | P&D                         | N/A                               |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NS Kitsap-Bremerton, WA                           |                                    |                                  | \$5,762                    | FY02                         | FHIMP                          | H-1-01-03 - San Diego, CA         | 219                             | 63                                | 63                              | 63                               | \$5,762                          | FY02                         | FHIMP                       | H-1-01-03 - San Diego, CA         |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NAS Whidbey, WA                                   |                                    | 2,985                            |                            |                              |                                |                                   | 1,552                           | 1,503                             | 1,503                           | 1,503                            |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NS Everett, WA                                    |                                    |                                  |                            |                              |                                |                                   | 109                             | 141                               | 141                             | 141                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | Hampton Roads, VA                                 |                                    |                                  |                            |                              |                                |                                   | 4,057                           | 4,379                             | 4,381                           | 4,381                            |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | USNA Annapolis, MD                                |                                    |                                  |                            |                              |                                |                                   | 370                             | 261                               | 261                             | 261                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NSWC Dahlgren, VA                                 |                                    |                                  |                            |                              |                                |                                   | 250                             | 203                               | 203                             | 203                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
| Aug-05                          | Mid-Atlantic Regional          | NSWC Indian Head, MD                              |                                    |                                  | \$0,000                    | N/A                          | N/A                            | No DoN Contribution               | 159                             | 151                               | 151                             | 151                              | \$0,000                          | N/A                          | N/A                         | No DoN Contribution               |                                                    |                                   |                                 |  |  |  | #3, #5 & 10 USC 2872(a), 2880, 2881       |
|                                 |                                | NAS Patuxent River, MD                            | 5,773                              | 6,702                            |                            |                              |                                |                                   | 778                             | 749                               | 749                             | 749                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | Tingey House, WNY, DC                             |                                    |                                  |                            |                              |                                |                                   | 80                              | 1                                 | 1                               | 1                                |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NSGA Sugar Grove, WV                              |                                    |                                  |                            |                              |                                |                                   | 1                               | 0                                 | 0                               | 0                                |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
| Jan-06                          | Midwest Regional PH I          | N. Chicago, IL                                    |                                    |                                  | 2,006                      |                              |                                |                                   | 2,006                           | 1,056                             | 1,056                           | 1,056                            |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | FL/Sheridan, IL: Post-BRAC Land                   |                                    |                                  |                            |                              |                                |                                   | 329                             | 209                               | 209                             | 209                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NAS Glenview, IL                                  |                                    | 1,658                            |                            |                              |                                |                                   | 400                             | 112                               | 112                             | 112                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NSWC Crane, IN                                    |                                    |                                  |                            |                              |                                |                                   | 29                              | 24                                | 24                              | 24                               |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NS San Diego, CA                                  |                                    |                                  |                            |                              |                                |                                   | 1,512                           | 1,510                             | 1,510                           | 1,510                            |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NAB Coronado, CA                                  |                                    |                                  |                            |                              |                                |                                   | 94                              | 97                                | 97                              | 97                               |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NAVSTA San Diego, CA                              |                                    |                                  |                            |                              |                                |                                   | 530                             | 530                               | 530                             | 530                              |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
| May-06                          | San Diego PH III               | Naval Command Control & Ocean Surveillance Center | 2,667                              | 4,268                            | \$0,000                    | N/A                          | N/A                            | No DoN Contribution               | 4                               | 4                                 | 4                               | 4                                | \$0,000                          | N/A                          | N/A                         | No DoN Contribution               |                                                    |                                   |                                 |  |  |  | #3, #5 & 10 USC 2872(a), 2880, 2881       |
|                                 |                                | Naval Medical Center, San Diego                   |                                    |                                  |                            |                              |                                |                                   | 4                               | 4                                 | 4                               | 4                                |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | MCAS Miramar                                      |                                    |                                  |                            |                              |                                |                                   | 523                             | 2,123                             | 2,123                           | 2,123                            |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NAVSTA Pearl Harbor, NSY PH                       |                                    |                                  |                            |                              |                                |                                   | 2,295                           |                                   |                                 |                                  |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
|                                 |                                | NCTAMS PAC, Oahu, HI                              |                                    |                                  |                            |                              |                                |                                   | 138                             |                                   |                                 |                                  |                                  |                              |                             |                                   |                                                    |                                   |                                 |  |  |  |                                           |
| Sep-06                          | Hawaii Regional PH III         | PMRF Barking Sands, Kauai                         | 2,489                              | 2,517                            | \$0,000                    | N/A                          | N/A                            | No DoN Contribution               | 56                              | 2,520                             | 2,536                           | 2,536                            | \$0,000                          | N/A                          | N/A                         | No DoN Contribution               |                                                    |                                   |                                 |  |  |  | #3, #5 & 10 USC 2872(a), 2880, 2881       |

| Privatization Date <sup>1</sup> | MHPI Project Name <sup>2</sup> | Installation/State <sup>3</sup> | Approved by OSD & OMB <sup>4</sup> |                                  |                            |                              | Funding Source(s) <sup>7</sup> |                                   |                                 |                                   | Actual/Current Plan <sup>8</sup>                   |                                 |                              |                             | MHPI Authorities <sup>13</sup>  |                                                    |
|---------------------------------|--------------------------------|---------------------------------|------------------------------------|----------------------------------|----------------------------|------------------------------|--------------------------------|-----------------------------------|---------------------------------|-----------------------------------|----------------------------------------------------|---------------------------------|------------------------------|-----------------------------|---------------------------------|----------------------------------------------------|
|                                 |                                |                                 | No. Units Conveyed <sup>5</sup>    | No. End State Units <sup>6</sup> | Amount (\$M) <sup>7a</sup> | Budget Year(s) <sup>7b</sup> | Type of Funds <sup>7c</sup>    | Source Project Name <sup>7d</sup> | No. Units Conveyed <sup>9</sup> | No. End State Units <sup>10</sup> | Total No. Units in Current Inventory <sup>11</sup> | Funding Source(s) <sup>12</sup> |                              |                             |                                 |                                                    |
|                                 |                                |                                 |                                    |                                  |                            |                              |                                |                                   |                                 |                                   |                                                    | Amount (\$M) <sup>12</sup>      | Budget Year(s) <sup>12</sup> | Type of Funds <sup>12</sup> |                                 | Source Project Name <sup>12</sup>                  |
| Sep-07                          | Southeast Regional             | NAS Pensacola, FL               |                                    |                                  | \$16,981                   | FY03                         | FHIMP                          | H-1-97-1 - Charleston, SC         | 571                             | 547                               | 549                                                | \$16,981                        | FY03                         | FHIMP                       | H-1-97-1 - Charleston, SC       | #3, #5 & 10 USC 2872(a), 2880, 2881, 2883          |
|                                 |                                | NAS Whiting Field, FL           |                                    |                                  | \$3,874                    | FY03                         | P&D                            | N/A                               | 328                             | 247                               | 287                                                | \$3,874                         | FY03                         | P&D                         | N/A                             |                                                    |
|                                 |                                | NSA Panama City, FL             |                                    |                                  | \$5,059                    | FY06                         | FHIMP                          | H-04-97 - Atsugi, Japan           | 65                              | 49                                | 51                                                 | \$5,059                         | FY06                         | FHIMP                       | H-04-97 - Atsugi, Japan         |                                                    |
|                                 |                                | NWS Charleston, SC              |                                    |                                  | \$6,306                    | FY06                         | FHIMP                          | H-06-92 - Guam, Guam              | 1,885                           | 649                               | 1,017                                              | \$6,306                         | FY06                         | FHIMP                       | H-06-92 - Guam, Guam            |                                                    |
|                                 |                                | NS Mayport, FL                  |                                    |                                  | \$2,000                    | FY06                         | P&D                            | N/A                               | 1,156                           | 940                               | 972                                                | \$2,000                         | FY06                         | P&D                         | N/A                             |                                                    |
|                                 |                                | NAS Jacksonville, FL            | 7,178                              |                                  | \$10,700                   | FY06                         | FHNC                           | H-439 - Gulfport MS               | 532                             | 302                               | 301                                                | \$10,700                        | FY06                         | FHNC                        | H-439 - Gulfport MS             |                                                    |
|                                 |                                | NSB Kings Bay, GA               |                                    |                                  | \$19,900                   | FY07                         | FHIMP                          | H-01-07 - SE Region PPV Seed      | 610                             | 399                               | 539                                                | \$19,900                        | FY07                         | FHIMP                       | H-01-07 - SE Region PPV Seed    |                                                    |
|                                 |                                | NAS Key West, FL                |                                    |                                  | \$8,400                    | FY09                         | FHIMP                          | H-1-09 - Gulfport, MS             | 890                             | 733                               | 733                                                | \$8,400                         | FY09                         | FHIMP                       | H-1-09 - Gulfport, MS           |                                                    |
|                                 |                                | NASRB Ft Worth, TX              |                                    |                                  |                            |                              |                                |                                   | 83                              | 83                                |                                                    |                                 |                              |                             |                                 |                                                    |
|                                 |                                | NAS Meridian, MS                |                                    |                                  |                            |                              |                                |                                   | 481                             | 163                               | 167                                                |                                 |                              |                             |                                 |                                                    |
| Sep-07                          | San Diego PH IV                | NCBC Gulfport, MS               |                                    |                                  |                            |                              |                                |                                   | 577                             | 561                               | 561                                                |                                 |                              |                             |                                 | #3, #5 & 10 USC 2872(a), 2880, 2881, 2883          |
|                                 |                                | NAWS China Lake, CA             |                                    |                                  |                            |                              |                                |                                   | 192                             | 192                               | 192                                                |                                 |                              |                             |                                 |                                                    |
|                                 |                                | NAS Lemoore, CA                 |                                    |                                  |                            |                              |                                |                                   | 1,590                           | 1,590                             | 1,590                                              |                                 |                              |                             |                                 |                                                    |
|                                 |                                | NAVBASE Ventura County, CA      | 3,550                              |                                  | \$0,000                    | N/A                          | N/A                            | No DoN Contribution               | 1,240                           | 1,222                             | 1,222                                              | \$0,000                         | N/A                          | N/A                         | No DoN Contribution             |                                                    |
|                                 |                                | NAF El Centro, CA               |                                    |                                  |                            |                              |                                |                                   | 101                             | 101                               | 101                                                |                                 |                              |                             |                                 |                                                    |
|                                 |                                | NAVWPNSA Seal Beach, CA         |                                    |                                  |                            |                              |                                |                                   | 197                             | 188                               | 188                                                |                                 |                              |                             |                                 |                                                    |
|                                 |                                | NAS Fallon, NV                  |                                    |                                  |                            |                              |                                |                                   | 230                             | 230                               | 230                                                |                                 |                              |                             |                                 |                                                    |
|                                 |                                | NSA Mid-South, Millington, TN   | 401                                | 318                              | \$7,867                    | FY03                         | FHNC                           | H-643 - Lemoore, CA               | 401                             | 318                               | 406                                                | \$7,867                         | FY03                         | FHNC                        | H-643 - Lemoore, CA             |                                                    |
|                                 |                                |                                 |                                    |                                  | \$0,888                    | FY03                         | FHNC                           | H-595 - Pascagoula, MS            |                                 |                                   |                                                    | \$0,888                         | FY03                         | FHNC                        | H-595 - Pascagoula, MS          |                                                    |
|                                 |                                |                                 |                                    |                                  | \$1,014                    | FY03                         | P&D                            | N/A                               |                                 |                                   |                                                    | \$1,014                         | FY03                         | P&D                         | N/A                             |                                                    |
| Feb-10                          | Mid-Atlantic Regional PH II    | NSA Mechanicsburg, PA           | 92                                 | 31                               | \$0,000                    | N/A                          | N/A                            | No DoN Contribution               | 55                              | 31                                | 31                                                 | \$0,000                         | N/A                          | N/A                         | No DoN Contribution             | #3, #5 & 10 USC 2872(a), 2880, 2881, 2883          |
|                                 |                                | NSA Washington DC               | 260                                | 258                              | \$0,000                    | N/A                          | N/A                            | No DoN Contribution               | 258                             | 256                               | 253                                                | \$0,000                         | N/A                          | N/A                         | No DoN Contribution             | #3, #5 & 10 USC 2872(a), 2880, 2881, 2883          |
| Jun-14                          | Northwest Regional PH II       | NSA Annapolis, MD               |                                    |                                  |                            |                              |                                |                                   | 1                               | 1                                 | 1                                                  |                                 |                              |                             |                                 | #3, #5 & 10 USC 2872(a), 2880, 2881, 2882(c), 2883 |
|                                 |                                | Bangor/Bremerton, WA            | 870                                | 485                              | \$27,500                   | FY13                         | FHIMP                          | HP-13-03 - Jackson Park, WA       | 870                             | 624                               | 789                                                | \$27,500                        | FY13                         | FHIMP                       | HP-13-03 - Jackson Park, WA     |                                                    |
| Jan-17                          | Mid-Atlantic Regional PH V     |                                 |                                    |                                  | \$10,500                   | FY13                         | FHIF                           | Everett I Sale Proceeds           |                                 |                                   |                                                    | \$10,486                        | FY13                         | FHIF                        | Everett I/Femdale Sale Proceeds | #3, #5 & 10 USC 2872(a), 2880, 2881, 2882(c), 2883 |
|                                 |                                | NAS Patuxent River, MD          | (5)                                | (5)                              | \$2,080                    | FY12                         | FHIMP                          | HD-12-01 - Guantanamo Bay, Cuba   | (5)                             | (5)                               | (5)                                                | \$2,080                         | FY12                         | FHIMP                       | HD-12-01 - Guantanamo Bay, Cuba |                                                    |
| Mar-18                          | San Diego PH VI                | NAVBASE Ventura County, CA      | 127                                | 86                               | \$0,000                    | N/A                          | N/A                            | No DoN Contribution               | 127                             | 86                                | 86                                                 | \$0,000                         | N/A                          | N/A                         | No DoN Contribution             | #3, #5 & 10 USC 2872(a), 2880, 2881, 2883          |
|                                 |                                |                                 |                                    |                                  | \$0,000                    | N/A                          | N/A                            | No DoN Contribution               |                                 |                                   |                                                    | \$0,000                         | N/A                          | N/A                         | No DoN Contribution             |                                                    |
| Grand Totals <sup>14</sup>      |                                |                                 | 44,109                             | 43,414                           | \$325,253                  |                              |                                |                                   | 43,993                          | 39,055                            | 38,773                                             | \$325,253                       |                              |                             |                                 |                                                    |

**NOTES:**

- The date the real property is transferred (land and family housing units) to the private owner/developer, and when service members become entitled to receive Basic Allowance for Housing (BAH).
- Provide the name of the MHPI Project given to the privatization project, including the name given to integrated/grouped projects. The MHPI project name should be consistent with the MHPI project name used in the previously approved OSD/OMB Scoring report and/or subsequent notification to Congress.
- List the MHPI project location by installation and state, including each installation/state incorporated into the integrated/grouped MHPI project.
- This section relates the previously-approved OSD/OMB project scope and funding amounts contained in the scoring package and/or subsequent Notification of Funds Transfer letters to Congress.
- Provide the number of family housing units to be conveyed by installation and state to the Developer, including each installation/state incorporated into the integrated/grouped MHPI project, as previously-approved in the OSD/OMB Scoring report.
- Provide the end state number of family housing units in the inventory for each MHPI project by installation/state, including each installation/state incorporated into the integrated/grouped MHPI project.
- Provide all of the funding source information for the MHPI project as reflected in the previously-approved OSD/OMB report and consistent with the project summary details accompanying the Notification of Transfer letter to Congress, such as:
  - The amount of funds to be used for the Government's cost of the project (i.e., equity contribution, credit subsidy costs, differential lease payments, etc.).
  - The fiscal year(s) of the funding sources to be used to cover the Government's cost of the MHPI project.
  - The type of funds (e.g., FH New Construction, FH Construction Improvements, FH Improvement Funds) to be used to cover the Government's cost of the MHPI project.
  - The project(s) that are used to source the Government's cost of the privatization project.
- This section relates to the Military Departments' actual and/or current plan, which might or might not be consistent with the details contained in the previously-approved OSD/OMB Scoring report and project summary to Congress for the MHPI project due to extenuating circumstances.
- Provide the actual and/or revised planned number of family housing units conveyed to the Developer by installation and state, including each installation/state incorporated into the integrated/grouped MHPI project.
- Provide the actual and/or revised, planned number of family housing units conveyed to the Developer by installation and state, including each installation/state incorporated into the integrated/grouped MHPI project.
- Provide the total number of privatized family housing units in the inventory for each MHPI project by installation/state, including each installation/state incorporated into the integrated/grouped MHPI project.
- Provide all the "actual and/or current" funding sources used to fund the MHPI project, which might or might not be consistent with the details contained in the previous-approved OSD/OMB Scoring report and project summary (i.e., project amount, budget year of funds, source project, appropriation) to Congress for the MHPI project due to extenuating circumstances. If possible and/or available, please provide the requested funding information by installation/state.
- Provide the applicable MHPI authorities in subchapter IV of Chapter 169 in title 10 U.S.C. was used and/or proposed to be used for the privatization project. Designators are as follows:
  - 1 = 10 USC 2873 - Government Direct Loans
  - 2 = 10 USC 2873 - Loan Guarantees
  - 3 = 10 USC 2875 - Investments, such as DoD Equity Contributions in non-governmental entities
  - 4 = 10 USC 2877 - Differential Lease Payments
  - 5 = 10 USC 2877 - Conveyance or Lease of Existing Property and Facilities
- Totals of number of units conveyed, number of end state units, and funding amounts.

**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
NAVY**

**PRIVATIZATION SUPPORT COSTS**

Reconciliation of Increases and Decreases

(Dollars in Thousands)

|                                       |         |         |
|---------------------------------------|---------|---------|
| 1. FY 2018 President's Budget Request |         | 17,583  |
| 2. FY 2018 Appropriated Amount        |         | 17,583  |
| 3. FY 2018 Current Estimate           |         | 17,583  |
| 4. Price Growth:                      |         | 214     |
| a. Civilian Personnel Compensation    | 36      |         |
| b. Inflation                          | 178     |         |
| 5. Program Decreases:                 |         | (3,679) |
| a. Execution Adjustment               | (3,679) |         |
| 6. FY 2019 President's Budget Request |         | 14,118  |

**RATIONALE FOR CHANGES IN THE PRIVATIZATION SUPPORT ACCOUNT**

Price Growth in the Privatization Support account is due to Civilian Personnel Compensation and Inflation adjustments. The Program Decrease is based on the Department of Navy (DON) effort to support the OMB directed reforms for Efficiency and Effectiveness that include lean, accountable, more efficient government.

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
MARINE CORPS PRIVATIZATION SUMMARY

(\$000)

FY 2019 Program       \$ 7,649  
FY 2018 Program       \$ 10,004

Purpose and Scope

The Fiscal Year 1996 Military Housing Privatization Initiative (MHPI) included in Public Law 104-106 is an essential tool used by the Department of the Navy (DON) to eliminate inadequate housing. The Privatization Initiative permits the Marine Corps to enter into business agreements with the private sector to utilize private sector resources, leveraged by DON assets (inventory, land and funding), to improve, replace, and build family housing faster than could otherwise be accomplished through the traditional military construction approach. Private business entities will own, operate and maintain housing and lease quality homes to military personnel and their families at affordable rates.

Program Summary

Overall, the Marine Corps has awarded the following 20 Family Housing projects (inclusive of phases), privatizing over 23,000 units (99.6 percent of the Marine Corps United States inventory):

|         |                                                                                     |             |
|---------|-------------------------------------------------------------------------------------|-------------|
| FY 2001 | Camp Pendleton 1 (Deluz)                                                            | 712 homes   |
| FY 2003 | Beaufort / Parris Island<br>(Merged with CLCPS Phase III /<br>Atlantic Marines III) | 1,718 homes |
| FY 2004 | Camp Pendleton 2 / Quantico I                                                       | 4,536 homes |
| FY 2005 | Camp Pendleton 2 / Quantico II                                                      | 897 homes   |
| FY 2006 | Camp Lejeune / Cherry Point / Stewart I<br>(Atlantic Marines I)                     | 3,124 homes |
|         | Camp Pendleton 2 / Quantico III                                                     | 1,488 homes |
|         | Camp Lejeune / Cherry Point / Stewart II<br>(Atlantic Marines II)                   | 1,186 homes |
|         | Camp Pendleton 2 / Quantico IV                                                      | 3,160 homes |
|         | Hawaii II                                                                           | 1,175 homes |
| FY 2007 | Camp Lejeune / Cherry Point / Stewart III<br>(Atlantic Marines III)                 | 2,031 homes |
| FY 2007 | Camp Pendleton 2 / Quantico V                                                       | 253 homes   |
|         | Hawaii IV                                                                           | 917 homes   |
| FY 2009 | Mid-Atlantic Region III                                                             | 260 homes   |
| FY 2010 | Camp Pendleton 2 / Quantico VI                                                      | 139 homes   |
|         | Camp Pendleton 2 / Quantico VII                                                     | 172 homes   |
|         | Mid-Atlantic Region IV                                                              | 300 homes   |
|         | Camp Pendleton 2 / Quantico VIII                                                    | 600 homes   |
|         | Hawaii V                                                                            | 224 homes   |
| FY 2013 | Camp Lejeune / Cherry Point / Stewart IV<br>(Atlantic Marines IV)                   | 1 home      |
| FY 2015 | Hawaii VI                                                                           | 260 homes   |
| FY 2016 | Camp Pendleton 2/ Quantico IX                                                       | -118 homes  |

Seventeen of the projects (inclusive of phases) have completed their Initial Development Plans (IDPs). Over 17,300 homes have been constructed or renovated thus far under the IDPs.

All installations with privatized housing show a marked increase in resident satisfaction since privatization. Feedback from residents of existing privatized housing not only continues to be positive, particularly in areas relating to quality of services and responsiveness of property management.

The Marine Corps' PPV portfolio continues to explore energy initiatives that make fiscal sense. The Resident Energy Conservation Program (RECP) is promoting and rewarding the frugal and responsible use of energy by the residents, and continues to save the USMC PPV portfolio millions of dollars a year. Recently, the Marine Corps' PPV projects are exploring opportunities to enter into Power Purchase Agreements (PPA) utilizing solar power from panels installed on the PPV housing roofs. MCB Hawaii PPV housing already has a 5mW existing PPA. It is expected that the MCB Camp Pendleton PPV partner will be entering a 9mW in FY19 and additional efforts at Twentynine Palms and MCAS Yuma are being investigated.

The Marine Corps is constantly incorporating lessons learned from the expanding portfolio of the Department of Navy awarded projects to refine its Privatization Portfolio Management Program. Projects are developed with a business-based approach and structured to ensure rents and reasonable utilities do not exceed a service member's basic allowance for housing rate, and ensure sufficient cash flow exists to adequately operate, maintain and revitalize the inventory over the life of the 50-year business agreement.

The Marine Corps has successfully collaborated with its Naval partners and both improved the effectiveness of its portfolio management and enhanced the level of oversight provided.

#### Estimated Basic Allowance for Housing (BAH) To Be Paid To Members Living In Privatized Housing

It is estimated that the Marine Corps will pay BAH under section 403 of title 37 to members living in privatized housing the amounts of \$490,826 in FY 2018 and \$507,176 in FY 2019. The number of units of military family housing upon which these estimated payments are made is 21,705 in FY 2018 and 21,705 in FY 2019. The number of units of military unaccompanied housing upon which these estimated payments are made is 0 in FY 2018 and 0 in FY 2019.

These estimates meet the reporting requirement stipulated in 10 USC 2884 (b) (2). However, it must be noted that that is difficult to project the true cost of BAH allowances provided to members living in privatized housing. BAH allowances for members in privatized housing are not specifically tracked in budget or execution data, as these members receive the same allowances as those who live on the economy. BAH accounting data is available for only the various categories of payments (for instance, domestic with and without dependents, partial, overseas housing allowances, etc.).

DEPARTMENT OF THE NAVY, MARINE CORPS  
FH-6 Family Housing Privatization  
Fiscal Year 2019

| Privatization Date <sup>1</sup> | MHPI Project Name <sup>2</sup><br>(Deluz)            | Installation/ State <sup>3</sup> | Approved by OSD & OMB <sup>4</sup> |                                  |                            |                                 |                             |                                   | Actual/Current Plan <sup>8</sup>                   |                                 |                                   |                                 |                              |                             | MHPI Authorities <sup>13</sup><br>#1, #5 and 10 USC<br>2872a, 2880, 2881,<br>2882(c), 2883 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|---------------------------------|------------------------------------------------------|----------------------------------|------------------------------------|----------------------------------|----------------------------|---------------------------------|-----------------------------|-----------------------------------|----------------------------------------------------|---------------------------------|-----------------------------------|---------------------------------|------------------------------|-----------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------|
|                                 |                                                      |                                  | Funding Source(s) <sup>7</sup>     |                                  |                            | Funding Source(s) <sup>12</sup> |                             |                                   | Total No. Units in Current Inventory <sup>11</sup> | No. Units Conveyed <sup>9</sup> | No. End State Units <sup>10</sup> | Funding Source(s) <sup>12</sup> |                              |                             |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  | No. Units Conveyed <sup>5</sup>    | No. End State Units <sup>6</sup> | Amount (\$M) <sup>7a</sup> | Budget Year(s) <sup>7b</sup>    | Type of Funds <sup>7c</sup> | Source Project Name <sup>7d</sup> |                                                    |                                 |                                   | Amount (\$M) <sup>12</sup>      | Budget Year(s) <sup>12</sup> | Type of Funds <sup>12</sup> |                                                                                            | Source Project Name <sup>12</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |                                                          |
| Nov-00                          | Camp Pendleton I (Deluz)                             | MCB Camp Pendleton, CA           | 512                                | 712                              | 10,000                     | FY96                            | FHNC                        | MCB Camp Pendleton H-318          | 512                                                | 712                             | 712                               | 10,000                          | FY96                         | FHNC                        | MCB Camp Pendleton H-318                                                                   | MCB Camp Pendleton H-364                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FHNC  |                                                          |
|                                 |                                                      |                                  | 512                                | 712                              | 10,000                     | FY96                            | FHNC                        | MCB Camp Pendleton H-364          | 512                                                | 712                             | 712                               | 9,406                           | FY96                         | FHNC                        | MCB Camp Pendleton H-364                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
| Mar-03                          | Atlantic Marines PH III<br>(Tri-Command Communities) |                                  | 1,558                              | 1,718                            | 14,000                     | FY97                            | FHNC                        |                                   | 1,558                                              | 1,718                           | 1,631                             | 14,000                          | FY97                         | FHNC                        |                                                                                            | MCAS Beaufort H-365<br>MCAS Beaufort BE-H-9601-R2<br>MCRD Parris Island PI-H-9602-<br>M2/PI-H-9603-R2<br>MCRD Parris Island PI-H-0001-M2<br>MCRD Parris Harbor HI H-381<br>NS Pearl Harbor HI H-591                                                                                                                                                                                                                                                                                                                          | FHNC  | #3, #5 and 10 USC<br>2872a, 2880, 2881,<br>2882(c), 2883 |
|                                 |                                                      | MCAS Beaufort, SC                | 1,275                              | 1,405                            | 0.200                      | FY02                            | FHIMP                       | MCAS Beaufort BE-H-9601-R2        | 1,275                                              | 1,405                           | 1,318                             | 0.200                           | FY02                         | FHIMP                       | MCAS Beaufort BE-H-9601-R2                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      | MCRD Parris Island, SC           | 230                                | 260                              | 2,980                      | FY02                            | FHIMP                       | M2/PI-H-9603-R2                   | 230                                                | 260                             | 260                               | 2,980                           | FY02                         | FHIMP                       | M2/PI-H-9603-R2                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      | NH Beaufort, SC                  | 53                                 | 53                               | 4,906                      | FY02                            | FHIMP                       | MCRD Parris Island PI-H-0001-M2   | 53                                                 | 53                              | 53                                | 4,906                           | FY02                         | FHIMP                       | MCRD Parris Island PI-H-0001-M2                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  | 2,000                      | FY01                            | FHNC                        | NS Pearl Harbor HI H-381          | 2,000                                              |                                 |                                   | 2,000                           | FY01                         | FHNC                        | NS Pearl Harbor HI H-381                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  | 2,410                      | FY01                            | FHNC                        | NS Pearl Harbor HI H-591          |                                                    |                                 |                                   | 2,410                           | FY01                         | FHNC                        | NS Pearl Harbor HI H-591                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
| Oct-03                          | Camp Pendleton 2+ PH I                               |                                  | 4,631                              | 4,534                            | 0.621                      | FY00                            | FHIMP                       | MCAS Beaufort BE-H-9601-R2        | 4,631                                              | 4,536                           | 4,535                             | 0.621                           | FY00                         | FHIMP                       | MCAS Beaufort BE-H-9601-R2                                                                 | MCAS Beaufort BE-H-9601-R2<br>NPWC Pearl Harbor<br>MCAS Beaufort BE-H-9601-R2<br>MCB Camp Pendleton<br>PE-H-0020-M2<br>MCAS Cherry Point<br>CP-H-0110-M2<br>MCAS Iwakuni, JA IW-H-9502-R2<br>MCAS Iwakuni, JA IW-H-9901-R2<br>MCAS Iwakuni, JA IW-H-0001-R2<br>MCAS Iwakuni, JA IW-H-9902-R2<br>MCAS Iwakuni, JA IW-H-0201-R2<br>MCRD Parris Island PI-H-9602-<br>M2/PI-H-9603-R2<br>MCAGCC Twenty-nine Palms TP-H-<br>701-M2<br>MCB Quantico H-557<br>MCB Camp Pendleton PE-PPV<br>MCB Quantico H-620<br>MCB Camp Pendleton | FHNC  | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883             |
|                                 |                                                      | MCB Camp Pendleton, CA           | 3,205                              | 3,281                            | 0.885                      | FY00                            | FHNC                        | NPWC Pearl Harbor                 | 3,205                                              | 3,283                           | 3,282                             | 0.885                           | FY00                         | FHNC                        | NPWC Pearl Harbor                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      | MCRD San Diego, CA               | 5                                  | 5                                | 0.061                      | FY01                            | FHIMP                       | MCAS Beaufort BE-H-9601-R2        | 5                                                  | 5                               | 5                                 | 0.061                           | FY01                         | FHIMP                       | MCAS Beaufort BE-H-9601-R2                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      | MCMWTC Bridgeport CA             | 110                                | 111                              | 0.307                      | FY01                            | FHIMP                       | MCB Camp Pendleton                | 110                                                | 111                             | 111                               | 0.307                           | FY01                         | FHIMP                       | MCB Camp Pendleton                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Cherry Point                 |                                                    |                                 |                                   |                                 |                              |                             | MCAS Cherry Point                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | CP-H-0110-M2                      |                                                    |                                 | 1,137                             |                                 |                              |                             | CP-H-0110-M2                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-9502-R2     |                                                    |                                 |                                   | 0.332                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-9502-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-9901-R2     |                                                    |                                 |                                   | 0.034                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-9901-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0001-R2     |                                                    |                                 |                                   | 1.068                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0001-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-9902-R2     |                                                    |                                 |                                   | 0.226                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-9902-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
| Oct-04                          | Camp Pendleton 2+ PH II                              |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0201-R2     |                                                    |                                 |                                   | 0.519                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0201-R2                                                              | MCAS Iwakuni, JA IW-H-0201-R2<br>MCRD Parris Island PI-H-9602-<br>M2/PI-H-9603-R2<br>MCAGCC Twenty-nine Palms TP-H-<br>701-M2<br>MCB Quantico H-557<br>MCB Camp Pendleton PE-PPV<br>MCB Quantico H-620<br>MCB Camp Pendleton                                                                                                                                                                                                                                                                                                 | FHIMP | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883             |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0201-R2     |                                                    |                                 |                                   | 0.873                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0201-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0201-R2     |                                                    |                                 |                                   | 0.873                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0201-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0201-R2     |                                                    |                                 |                                   | 0.873                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0201-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0201-R2     |                                                    |                                 |                                   | 0.873                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0201-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0201-R2     |                                                    |                                 |                                   | 0.873                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0201-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0201-R2     |                                                    |                                 |                                   | 0.873                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0201-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0201-R2     |                                                    |                                 |                                   | 0.873                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0201-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0201-R2     |                                                    |                                 |                                   | 0.873                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0201-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             | MCAS Iwakuni, JA IW-H-0201-R2     |                                                    |                                 |                                   | 0.873                           | FY01                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0201-R2                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
| Oct-05                          | Camp Pendleton 2+ PH III                             |                                  | 897                                | 821                              | 0.728                      | FY01                            | Design                      | Various                           | 897                                                | 887                             | 897                               | 0.728                           | FY01                         | Design                      | Various                                                                                    | MCAS Yuma YU-H-0401<br>MCAGCC 29 Palms TP-H-0501<br>MCRSC Kansas City KC-H-0501                                                                                                                                                                                                                                                                                                                                                                                                                                              | FHIMP | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883             |
|                                 |                                                      | MCAS Yuma, AZ                    | 821                                | 76                               | 0.960                      | FY01                            | Design                      | Various                           | 821                                                | 821                             | 821                               | 0.960                           | FY01                         | Design                      | Various                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      | MCB Camp Pendleton, CA           | 76                                 | 76                               | 2.537                      | FY02                            | Design                      | Various                           | 76                                                 | 76                              | 76                                | 2.537                           | FY02                         | Design                      | Various                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  | 0.143                      | FY02                            | FHIMP                       | NAS Pensacola                     |                                                    |                                 |                                   | 0.143                           | FY02                         | FHIMP                       | NAS Pensacola                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  | 0.904                      | FY03                            | Design                      | Various                           |                                                    |                                 |                                   | 0.904                           | FY03                         | Design                      | Various                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  | 12.654                             | FY04                             | FHIMP                      | MCAS Yuma YU-H-0401             |                             |                                   |                                                    | 12.654                          | FY04                              | FHIMP                           | MCAS Yuma YU-H-0401          |                             |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
| Oct-05                          | Atlantic Marines PH I<br>(CLCPS Phase I)             |                                  | 1,801                              | 1,488                            | 25.702                     | FY05                            | FHIMP                       | MCAGCC 29 Palms TP-H-0501         | 1,801                                              | 1,488                           | 1,544                             | 25.702                          | FY05                         | FHIMP                       | MCAGCC 29 Palms TP-H-0501                                                                  | MCAGCC 29 Palms TP-H-0501<br>MCRSC Kansas City KC-H-0501                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FHIMP | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883             |
|                                 |                                                      | MCAGCC 29 Palms, CA              | 1,567                              | 1,411                            | 20.238                     | FY05                            | FHIMP                       | MCRSC Kansas City KC-H-0501       | 1,567                                              | 1,411                           | 1,467                             | 20.238                          | FY05                         | FHIMP                       | MCRSC Kansas City KC-H-0501                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      | MOBCOM Kansas City, MO           | 234                                | 77                               |                            |                                 |                             |                                   | 234                                                | 77                              | 77                                |                                 |                              |                             |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  | 3,614                              | 3,426                            | 27.002                     | FY05                            | FHNC                        | MCAS Cherry Point H-609           | 3,350                                              | 3,118                           | 3,118                             | 27.002                          | FY05                         | FHNC                        | MCAS Cherry Point H-609                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  | 56.165                     | FY05                            | FHIMP                       | MCB Camp Lejeune LE-H-0501        | 2,137                                              | 2,227                           | 2,225                             | 56.165                          | FY05                         | FHIMP                       | MCB Camp Lejeune LE-H-0501                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
| Sep-06                          | Camp Pendleton 2+ PH IV                              |                                  | 2,291                              | 2,378                            |                            |                                 |                             |                                   | 2,291                                              | 2,227                           | 2,225                             |                                 |                              |                             |                                                                                            | MCAS Iwakuni IW-H-0302-R2<br>MCAS Iwakuni IW-H-0304-R2<br>MCAS Lemoore H-543<br>MCB Hawaii HI-H-0601<br>MCB Camp Pendleton PE-H-0601                                                                                                                                                                                                                                                                                                                                                                                         | FHIMP | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883             |
|                                 |                                                      | MCB Camp Lejeune, NC             | 591                                | 507                              |                            |                                 |                             |                                   | 591                                                | 466                             | 468                               |                                 |                              |                             |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      | MCAS Cherry Point, NC            | 433                                | 370                              |                            |                                 |                             |                                   | 433                                                | 260                             | 260                               |                                 |                              |                             |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      | MCAS New River, NC               |                                    |                                  |                            |                                 |                             |                                   | 299                                                | 171                             | 171                               |                                 |                              |                             |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      | Stewart ANGB, NY                 |                                    |                                  |                            |                                 |                             |                                   |                                                    |                                 |                                   |                                 |                              |                             |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
| Sep-06                          | Atlantic Marines PH II<br>(CLCPS Phase II)           |                                  | 2,771                              | 3,162                            | 0.069                      | FY03                            | FHIMP                       | MCAS Yuma YU-H-0124-M2            | 2,771                                              | 3,160                           | 3,162                             | 0.069                           | FY03                         | FHIMP                       | MCAS Yuma YU-H-0124-M2                                                                     | MCAS Iwakuni IW-H-0302-R2<br>MCAS Iwakuni IW-H-0304-R2<br>MCAS Lemoore H-543<br>MCB Hawaii HI-H-0601<br>MCB Camp Pendleton PE-H-0601                                                                                                                                                                                                                                                                                                                                                                                         | FHIMP | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883             |
|                                 |                                                      | MCB Camp Pendleton, CA           | 2,771                              | 3,162                            | 0.553                      | FY03                            | FHIMP                       | MCAS Iwakuni IW-H-0302-R2         | 2,771                                              | 3,160                           | 3,162                             | 0.553                           | FY03                         | FHIMP                       | MCAS Iwakuni IW-H-0302-R2                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  | 0.142                      | FY03                            | FHIMP                       | MCAS Iwakuni IW-H-0304-R2         |                                                    |                                 |                                   | 0.142                           | FY03                         | FHIMP                       | MCAS Iwakuni IW-H-0304-R2                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  | 21.724                     | FY03                            | FHNC                        | NAS Lemoore H-543                 |                                                    |                                 |                                   | 21.724                          | FY03                         | FHNC                        | NAS Lemoore H-543                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  | 0.084                      | FY06                            | FHIMP                       | MCB Hawaii HI-H-0601              |                                                    |                                 |                                   | 0.084                           | FY06                         | FHIMP                       | MCB Hawaii HI-H-0601                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  | 8.316                              | FY06                             | FHIMP                      | MCB Camp Pendleton PE-H-0601    |                             |                                   |                                                    | 8.316                           | FY06                              | FHIMP                           | MCB Camp Pendleton PE-H-0601 |                             |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
| Sep-06                          | Hawaii Regional PH II<br>MCB Hawaii, HI              |                                  | 1,188                              | 954                              | 37.303                     | FY06                            | FHIMP                       | MCB Camp Lejeune LE-H-0601        | 1,427                                              | 1,009                           | 1,009                             | 37.303                          | FY06                         | FHIMP                       | MCB Camp Lejeune LE-H-0601                                                                 | MCB Camp Lejeune LE-H-0601<br>MCAS Cherry Point<br>MCB Hawaii HI-H-0601                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FHIMP | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883             |
|                                 |                                                      | MCB Camp Lejeune, NC             | 388                                | 388                              | 0.250                      | FY03                            | Design                      | MCAS Cherry Point                 | 539                                                | 539                             | 539                               | 0.250                           | FY03                         | Design                      | MCAS Cherry Point                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      | MCAS Cherry Point, NC            | 800                                | 566                              | 0.377                      | FY06                            | FHIMP                       | MCB Hawaii HI-H-0601              | 778                                                | 558                             | 558                               | 0.377                           | FY06                         | FHIMP                       | MCB Hawaii HI-H-0601                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             |                                   | 110                                                | 89                              | 89                                |                                 |                              |                             |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             |                                   | 1,175                                              | 1,175                           | 1,175                             | 65.124                          | FY06                         | FHIMP                       | MCB Hawaii HI-H-0601                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |
| Sep-06                          | Hawaii Regional PH II<br>MCB Hawaii, HI              |                                  | 1,175                              | 1,175                            | 65.124                     | FY06                            | FHIMP                       | MCB Hawaii HI-H-0601              | 1,175                                              | 1,175                           | 1,175                             | 65.124                          | FY06                         | FHIMP                       | MCB Hawaii HI-H-0601                                                                       | MCB Hawaii HI-H-0601                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FHIMP | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883             |
|                                 |                                                      |                                  |                                    |                                  |                            |                                 |                             |                                   |                                                    |                                 |                                   |                                 |                              |                             |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                          |

DEPARTMENT OF THE NAVY, MARINE CORPS  
FH-6 Family Housing Privatization  
Fiscal Year 2019

| Privatization Date <sup>1</sup> | MHPI Project Name <sup>2</sup>               | Installation/ State <sup>3</sup> | Approved by OSD & OMB <sup>4</sup> |                                  |                            |                              |                             | Actual/Current Plan <sup>8</sup>  |                                 |                                   |                                                    |                            | MHPI Authorities <sup>13</sup> |                              |                               |                                              |
|---------------------------------|----------------------------------------------|----------------------------------|------------------------------------|----------------------------------|----------------------------|------------------------------|-----------------------------|-----------------------------------|---------------------------------|-----------------------------------|----------------------------------------------------|----------------------------|--------------------------------|------------------------------|-------------------------------|----------------------------------------------|
|                                 |                                              |                                  | Funding Source(s) <sup>7</sup>     |                                  |                            |                              |                             | Funding Source(s) <sup>12</sup>   |                                 |                                   |                                                    |                            |                                |                              |                               |                                              |
|                                 |                                              |                                  | No. Units Conveyed <sup>5</sup>    | No. End State Units <sup>6</sup> | Amount (\$M) <sup>7a</sup> | Budget Year(s) <sup>7b</sup> | Type of Funds <sup>7c</sup> | Source Project Name <sup>7d</sup> | No. Units Conveyed <sup>9</sup> | No. End State Units <sup>10</sup> | Total No. Units in Current Inventory <sup>11</sup> | Amount (\$M) <sup>12</sup> |                                | Budget Year(s) <sup>12</sup> | Type of Funds <sup>12</sup>   | Source Project Name <sup>12</sup>            |
| Sep-07                          | Hawaii Regional PH IV<br>MCB Hawaii, HI      |                                  | 1,142                              | 917                              | 56,052                     | FY07                         | FHIMP                       | MCB Hawaii HI-H-0701              | 1,142                           | 917                               | 917                                                | 56,052                     | FY07                           | FHIMP                        | MCB Hawaii HI-H-0701          | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883 |
| Sep-07                          | Atlantic Marines PH III<br>(CLCPS Phase III) |                                  | 2,423                              | 1,985                            | 78,951                     | FY07                         |                             | MCB Camp Lejeune LE-H-0701        | 2,440                           | 2,214                             | 2,214                                              | 78,951                     | FY07                           |                              | MCB Camp Lejeune LE-H-0701    | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883 |
|                                 |                                              | MCB Camp Lejeune, NC             | 1,207                              | 1,212                            |                            |                              |                             |                                   | 1,206                           | 1,398                             | 1,398                                              |                            |                                |                              |                               |                                              |
|                                 |                                              | MCAS Cherry Point, NC            | 1,092                              | 649                              |                            |                              |                             |                                   | 1,110                           | 509                               | 509                                                |                            |                                |                              |                               |                                              |
|                                 |                                              | Westover AFB, MA                 |                                    | 124                              | 124                        |                              |                             |                                   | 124                             | 124                               | 124                                                |                            |                                |                              |                               |                                              |
| Sep-07                          | Camp Pendleton 2+ PH V                       |                                  | 250                                | 251                              | 19,564                     | FY07                         | FHIMP                       | MCB Camp Pendleton PE-H-0701      | 250                             | 253                               | 253                                                | 19,564                     | FY07                           | FHIMP                        | MCB Camp Pendleton PE-H-0701  | #3, #5 and 10 USC                            |
|                                 |                                              | MCB Camp Pendleton, CA           | 0                                  | 141                              | 1,777                      | FY04                         | FHNC                        | MCAS Cherry Point H-608           | 0                               | 143                               | 143                                                | 1,777                      | FY04                           | FHNC                         | MCAS Cherry Point H-608       | 2872a, 2880, 2881, 2883                      |
|                                 |                                              | MCB Albany, GA                   | 250                                | 110                              | 0.724                      | FY04                         | FHIMP                       | MCAS Iwakuni, JA IW-H-0303-R2     | 250                             | 110                               | 110                                                | 0.724                      | FY04                           | FHIMP                        | MCAS Iwakuni, JA IW-H-0303-R2 |                                              |
|                                 |                                              |                                  |                                    |                                  | 1,660                      | FY04                         | Design                      | Various                           |                                 |                                   |                                                    | 1,660                      | FY04                           | Design                       | Various                       |                                              |
| Dec-09                          | Mid-Atlantic Regional PH III                 |                                  | 0                                  | 451                              | 87,951                     | FY08                         | FHIMP                       | MCB Camp Lejeune LE-H-0801        | 0                               | 260                               | 260                                                | 87,951                     | FY08                           | FHIMP                        | MCB Camp Lejeune LE-H-0801    | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883 |
|                                 |                                              | MCB Camp Lejeune, NC             | 0                                  | 451                              |                            |                              |                             |                                   | 0                               | 260                               | 260                                                |                            |                                |                              |                               |                                              |
| Jan-10                          | Camp Pendleton 2+ PH VI                      |                                  | 0                                  | 125-285                          | 50,000                     | FY08                         | FHIMP                       | MCAGCC 29 Palms TP-H-0801         | 0                               | 139                               | 139                                                | 50,000                     | FY08                           | FHIMP                        | MCAGCC 29 Palms TP-H-0801     | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883 |
|                                 |                                              | MCAGCC 29 Palms, CA              | 0                                  | 125-285                          | 1,074                      | GWOT                         |                             |                                   | 0                               | 139                               | 139                                                | 1,074                      | GWOT                           |                              |                               |                                              |
|                                 |                                              |                                  | 0                                  | 367                              | 25,175                     | FY08                         | FHIMP                       | MCB Camp Pendleton PE-H-0801      | 0                               | 172                               | 172                                                | 25,175                     | FY08                           | FHIMP                        | MCB Camp Pendleton PE-H-0801  | #3, #5 and 10 USC                            |
| Jan-10                          | Camp Pendleton 2+ PH VII                     |                                  | 0                                  | 367                              | 25,000                     | FY08                         | FHIMP                       | MCB Camp Pendleton PE-H-0802      | 0                               | 172                               | 172                                                | 25,000                     | FY08                           | FHIMP                        | MCB Camp Pendleton PE-H-0802  | 2872a, 2880, 2881, 2883                      |
|                                 |                                              | MCB Camp Pendleton, CA           | 0                                  | 367                              |                            | FY08                         | FHIMP                       |                                   |                                 |                                   |                                                    |                            | FY08                           | FHIMP                        |                               |                                              |
|                                 |                                              |                                  |                                    |                                  | 10,692                     | GWOT                         |                             |                                   |                                 |                                   |                                                    | 10,692                     | GWOT                           |                              |                               |                                              |
| Sep-10                          | Mid-Atlantic Regional PH IV                  |                                  | 0                                  | 394                              | 81,987                     | FY09                         | FHIMP                       | MCB Camp Lejeune LE-H-0901        | 0                               | 300                               | 300                                                | 81,987                     | FY09                           | FHIMP                        | MCB Camp Lejeune LE-H-0901    | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883 |
|                                 |                                              | MCB Camp Lejeune, NC             | 0                                  | 394                              |                            |                              |                             |                                   | 0                               | 300                               | 300                                                |                            |                                |                              |                               |                                              |
| Sep-10                          | Camp Pendleton 2+ PH VIII                    |                                  | 0                                  | 600                              | 49,600                     | FY09                         | FHIMP                       | MCAGCC 29 Palms TP-H-1001         | 0                               | 600                               | 600                                                | 49,600                     | FY09                           | FHIMP                        | MCAGCC 29 Palms TP-H-1001     | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883 |
|                                 |                                              | MCAGCC 29 Palms, CA              | 0                                  | 600                              |                            |                              |                             |                                   | 0                               | 600                               | 600                                                |                            |                                |                              |                               |                                              |
| Sep-10                          | Hawaii Regional PH V                         |                                  | 0                                  | 244                              | 60,000                     | FY-09                        | FHIMP                       | MCB Hawaii HI-H-1201              | 0                               | 224                               | 224                                                | 60,000                     | FY-09                          | FHIMP                        | MCB Hawaii HI-H-1201          | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883 |
|                                 |                                              | MCB Hawaii, HI                   | 0                                  | 244                              |                            |                              |                             |                                   | 0                               | 224                               | 224                                                |                            |                                |                              |                               |                                              |
| Mar-13                          | Atlantic Marines PH IV<br>(CLCPS PH V)       |                                  | 1                                  | 1                                | 78,857                     | FY10                         | FHIMP                       | MCB Camp Lejeune LE-H-1001        | 1                               | 1                                 | 1                                                  | 78,857                     | FY10                           | FHIMP                        | MCB Camp Lejeune LE-H-1001    | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883 |
|                                 |                                              | MCB Camp Lejeune, NC             | 0                                  | 136                              |                            |                              |                             |                                   | 0                               | 136                               | 136                                                |                            |                                |                              |                               |                                              |
|                                 |                                              | MCAS Beaufort, SC                | 0                                  | -136                             |                            |                              |                             |                                   | 0                               | -136                              | -136                                               |                            |                                |                              |                               |                                              |
|                                 |                                              | MCAS Cherry Point NC             | 0                                  | 0                                |                            |                              |                             |                                   | 0                               | 0                                 | 0                                                  |                            |                                |                              |                               |                                              |
|                                 |                                              | MCB Parris Island, SC            | 1                                  | 1                                |                            |                              |                             |                                   | 1                               | 1                                 | 1                                                  |                            |                                |                              |                               |                                              |
| Sep-15                          | Hawaii Regional PH VI                        |                                  | 276                                | 260                              | 68,953                     | FY-11                        | FHIMP                       | MCB Camp Lejeune LE-H-1101        | 276                             | 260                               | 158                                                | 68,953                     | FY-11                          | FHIMP                        | MCB Camp Lejeune LE-H-1101    | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883 |
|                                 |                                              | MCB Hawaii, HI                   | 276                                | 260                              | 26,695                     | FY-11                        | FHIMP                       | MCB Camp Pendleton PE-H-1101      | 276                             | 260                               | 158                                                | 26,695                     | FY-11                          | FHIMP                        | MCB Camp Pendleton PE-H-1101  |                                              |
| Dec-15                          | Camp Pendleton 2+ PH IX                      |                                  | 0                                  | 231                              | 54,141                     | FY09                         | FHIMP                       | MCB Camp Pendleton PE-H-0901      | 0                               | -118                              | 250                                                | 54,141                     | FY09                           | FHIMP                        | MCB Camp Pendleton PE-H-0901  | #3, #5 and 10 USC<br>2872a, 2880, 2881, 2883 |
|                                 |                                              | MCB Camp Pendleton, CA           | 0                                  | 231                              |                            |                              |                             |                                   | 0                               | -118                              | 250                                                |                            |                                |                              |                               |                                              |
|                                 | Grand Totals                                 |                                  | 22,239                             | 24,055 - 24,215                  | 1,177,714                  |                              |                             |                                   | 22,231                          | 23,035                            | 23,271                                             | 1,177,120                  |                                |                              |                               |                                              |

NOTES:

- The date the real property is transferred (land and family housing units) to the private owner/developer, and when service members become entitled to receive Basic Allowance for Housing (BAH).
- Provide the name of the MHPI Project given to the privatization project, including the name given to integrated/grouped projects. The MHPI project name should be consistent with the MHPI project name used in the previously approved OSD/OMB Scoring report and/or subsequent report.
- List the MHPI project location by installation and state, including each installation/state incorporated into the integrated/grouped MHPI project.
- This section relates the previously-approved OSD/OMB project scope and funding amounts contained in the scoring package and/or subsequent Notification of Funds Transfer letters to Congress.
- Provide the number of family housing units to be conveyed by installation and state to the Developer, including each installation and state incorporated into the integrated/grouped MHPI project, as previously approved in the OSD/OMB Scoring report.
- Provide the end state number of family housing units by installation and state to the Developer, including each installation/state incorporated into the integrated/grouped MHPI project, as previously approved in the OSD/OMB Scoring report.
- Provide all of the funding source information for the MHPI project as reflected in the previously-approved OSD/OMB report and consistent with the project summary details accompanying the Notification of Transfer letter to Congress, such as:
  - The amount of funds to be used for the Government's cost of the project (i.e., equity contribution, credit subsidy costs, differential lease payments, etc.).
  - The fiscal year(s) of the funding sources to be used to cover the Government's cost of the MHPI project.
  - The type of funds (e.g., FH New Construction, FH Construction Improvements, FH Improvement Funds) to be used to cover the Government's cost of the MHPI project.
  - The project(s) that are used to source the Government's cost of the privatization project.
- This section relates to the Military Departments' actual and/or current plan, which might or might not be consistent with the details contained in the previously-approved OSD/OMB Scoring report and project summary to Congress for the MHPI project due to extenuating circumstances.
- Provide the actual and/or revised planned number of family housing units conveyed to the Developer by installation and state, including each installation/state incorporated into the integrated/grouped MHPI project.
- Provide the actual and/or revised, planned number of family housing end state units by installation and state, including each installation/state incorporated into the integrated/grouped MHPI project.
- Provide the total number of privatized family housing units in the inventory for each MHPI project by installation/state, including each installation/state incorporated into the integrated/grouped MHPI project, regardless if they are currently occupied or not.
- Provide all the "actual and/or current" funding sources used to fund the MHPI project, which might or might not be consistent with the details contained in the previous-approved OSD/OMB Scoring report and project summary (i.e., project amount, budget year of funds, source project, etc.).

13 - Provide the applicable MHP1 authorities in subchapter IV of Chapter 169 in title 10 U.S.C. was used and/or proposed to be used for the privatization project. Designators are as follows:

- 1 = 10 USC 2873 - Government Direct Loans
- 2 = 10 USC 2873 - Loan Guarantees
- 3 = 10 USC 2875 - Investments, such as DoD Equity Contributions in non-governmental entities
- 4 = 10 USC 2877 - Differential Lease Payments
- 5 = 10 USC 2878 - Conveyance or Lease of Existing Property and Facilities
- 14 - Totals of number of units conveyed, number of end state units, and funding amounts.

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**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 2019 BUDGET ESTIMATE  
JUSTIFICATION  
MARINE CORPS**

**PRIVATIZATION SUPPORT COSTS**

Reconciliation of Increases and Decreases

|                                       | <u>(Dollars in Thousands)</u> |
|---------------------------------------|-------------------------------|
| 1. FY 2018 President's Budget Request | 10,004                        |
| 2. FY 2018 Appropriated Amount        | 0                             |
| 3. FY 2018 Current Estimate           | 10,004                        |
| 4. Price Growth:                      | 167                           |
| a. Civilian Personnel Compensation    | 56                            |
| b. Inflation                          | 111                           |
| 5. Program Decreases:                 | (2,522)                       |
| a. Requirements                       | (2,522)                       |
| 6. FY 2019 President's Budget Request | 7,649                         |

**RATIONALE FOR CHANGES IN THE PRIVATIZATION SUPPORT ACCOUNT**

Price Growth in the Privatization Support account is due to Inflation adjustments and Civilian Personnel Compensation. The Program Decrease is due to a transition from the Initial Development Phase of the privatization projects to portfolio management.

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FOREIGN CURRENCY EXCHANGE DATA  
FY 2019 BUDGET SUBMISSION  
(\$000)

Appropriation: Family Housing, Navy

|                         | FY 2017                            |                                 |  | FY 2018                            |                                 |  | FY 2019                            |                                 |  |
|-------------------------|------------------------------------|---------------------------------|--|------------------------------------|---------------------------------|--|------------------------------------|---------------------------------|--|
|                         | U.S. \$<br>Requiring<br>Conversion | Budget<br>Exchange<br>Rate Used |  | U.S. \$<br>Requiring<br>Conversion | Budget<br>Exchange<br>Rate Used |  | U.S. \$<br>Requiring<br>Conversion | Budget<br>Exchange<br>Rate Used |  |
| <b>FHCON</b>            |                                    |                                 |  |                                    |                                 |  |                                    |                                 |  |
| Spain (Euro)            | 0.0                                | 0.8990                          |  | 26,874.0                           | 0.9329                          |  | 0.0                                | 0.8582                          |  |
| <b>SUBTOTAL - FHCON</b> | <b>0.0</b>                         |                                 |  | <b>26,874.0</b>                    |                                 |  | <b>0.0</b>                         |                                 |  |
| <b>FHOPS</b>            |                                    |                                 |  |                                    |                                 |  |                                    |                                 |  |
| Greece (Euro)           | 94.7                               | 0.8990                          |  | 96.3                               | 0.9329                          |  | 97.9                               | 0.8582                          |  |
| Italy (Euro)            | 29,858.5                           | 0.8990                          |  | 33,616.1                           | 0.9329                          |  | 34,985.4                           | 0.8582                          |  |
| Japan (Yen)             | 27,261.3                           | 122.4519                        |  | 20,193.1                           | 111.3365                        |  | 21,213.8                           | 111.5938                        |  |
| Norway (Krone)          | 59.3                               | 8.1758                          |  | 60.0                               | 8.2235                          |  | 55.5                               | 8.0858                          |  |
| Singapore (Dollar)      | 4,977.0                            | 1.3858                          |  | 6,566.3                            | 1.4132                          |  | 7,131.0                            | 1.3640                          |  |
| South Korea (Won)       | 278.9                              | 1,151.5242                      |  | 277.9                              | 1,156.1200                      |  | 282.8                              | 1,128.1127                      |  |
| Spain (Euro)            | 4,084.6                            | 0.8990                          |  | 3,951.2                            | 0.9329                          |  | 4,229.2                            | 0.8582                          |  |
| Turkey (Lira)           | 78.8                               | 2.8346                          |  | 80.3                               | 3.4789                          |  | 66.8                               | 3.6022                          |  |
| <b>SUBTOTAL - FHOPS</b> | <b>66,693.0</b>                    |                                 |  | <b>64,841.1</b>                    |                                 |  | <b>68,062.3</b>                    |                                 |  |
| <b>TOTAL FH,N</b>       | <b>66,693.0</b>                    |                                 |  | <b>91,715.1</b>                    |                                 |  | <b>68,062.3</b>                    |                                 |  |

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FOREIGN CURRENCY EXCHANGE DATA  
FY 2019 BUDGET SUBMISSION  
(\$000)

Appropriation: Family Housing, Marine Corps

| <u>Country</u>      | FY 2017         |                   |                  | FY 2018         |                   |                  | FY 2019         |                   |                  |
|---------------------|-----------------|-------------------|------------------|-----------------|-------------------|------------------|-----------------|-------------------|------------------|
|                     | <u>U.S. \$</u>  | <u>Requiring</u>  | <u>Budget</u>    | <u>U.S. \$</u>  | <u>Requiring</u>  | <u>Budget</u>    | <u>U.S. \$</u>  | <u>Requiring</u>  | <u>Budget</u>    |
|                     |                 | <u>Conversion</u> | <u>Exchange</u>  |                 | <u>Conversion</u> | <u>Exchange</u>  |                 | <u>Conversion</u> | <u>Exchange</u>  |
|                     |                 |                   | <u>Rate Used</u> |                 |                   | <u>Rate Used</u> |                 |                   | <u>Rate Used</u> |
| FHCON Japan (Yen) * | 11,047.0        |                   | 122.4519         | 9,377.0         |                   | 111.3365         | 16,638.0        |                   | 111.3365         |
| FHOPS Japan (Yen) * | 17,673.0        |                   | 122.4519         | 34,933.0        |                   | 111.3365         | 22,980.0        |                   | 111.3365         |
| <b>TOTAL FH,N</b>   | <b>28,720.0</b> |                   |                  | <b>44,310.0</b> |                   |                  | <b>39,618.0</b> |                   |                  |

\* = Countries in the Foreign Currency Account.

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