Department of the Navy

Fiscal Year (FY) 2006 / FY 2007

Budget Estimates

FY 2006 Program

MILITARY CONSTRUCTION AND

FAMILY HOUSING PROGRAMS

JUSTIFICATION DATA

Submitted to Congress

February 2005

DEPARTMENT OF THE NAVY
FY 2006 Military Construction and Family Housing Program

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Summary of Locations

State/Country		Authorization Request	Appropriation Request
Inside The United States			
ARIZONA		3,637	3,637
CALIFORNIA		133,175	111,620
DISTRICT OF COLUMBIA		0	29,512
FLORIDA		117,741	74,317
GEORGIA		3,000	3,000
HAWAII		35,400	35,400
ILLINOIS		167,750	121,900
MARYLAND		57,520	71,430
NEW JERSEY		16,652	54,432
NORTH CAROLINA		74,267	71,267
TEXAS		6,010	6,010
VIRGINIA		193,236	224,916
WASHINGTON		131,110	157,205
	Subtotal	939,498	964,646
Outside the United States			
GUAM		55,473	25,584
	Subtotal	55,473	25,584
Various Locations			
Various Locations		83,010	39,019
	Subtotal	83,010	39,019
Total - FY 2006 Military Construction Program		1,077,981	1,029,249

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State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
		ATLANTIC ORDNANCE COMMAND DET EARLE				
		COLTS NECK, NEW JERSEY				
	032B	GENERAL PURPOSE BERTHING PIER COMPLEX REPLACEMENT INCR III	16,652	54,432	Current	137
		Subtotal	16,652	54,432		
		Total - NEW JERSEY	16,652	54,432		
NORTH CAROLINA						
		MARINE CORPS BASE				
		CAMP LEJEUNE, NORTH CAROLINA				
	1025	ASSAULT BREACHER VEHICLE FACILITY	4,040	4,040	Current	147
	151	BACHELOR ENLISTED QTRS, CAMP JOHNSON	22,340	20,340	Current	143
	034	MULTI-PURPOSE MACHINE GUN RANGE	6,370	5,370	Current	155
	1030	MESS HALL, COURTHOUSE BAY	11,840	11,840	Current	151
		Subtotal	44,590	41,590		
		MARINE CORPS AIR STATION				
		CHERRY POINT, NORTH CAROLINA				
	124	AICUZ LAND ACQUISITION	1,890	1,890	Current	165
	720	HIGH EXPLOSIVE MAGAZINES	5,107	5,107	Current	161
		Subtotal	6,997	6,997		
		NAVAL AVIATION DEPOT				
		CHERRY POINT, NORTH CAROLINA				
	985	V22 GEARBOX REPAIR & TEST FACILITY	15,390	15,390	New	175
	986	V22 ROTOR BLADE REPAIR FAC	4,760	4,760	New	171
		Subtotal	20,150	20,150		
		MARINE CORPS AIR STATION NEW RIVER				
		JACKSONVILLE, NORTH CAROLINA				
	663	MAIN GATE SECURITY UPGRADES	2,530	2,530	Current	183
		Subtotal	2,530	2,530		
		NOLF WASHINGTON COUNTY NC				
		PLYMOUTH, NORTH CAROLINA				
	689B	OUTLYING LANDING FIELD (OLF) FAC (INCR PY)	0	0	New	189
		Subtotal	0	0		
		Total - NORTH CAROLINA	74,267	71,267		
TEXAS						

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State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
		NAVAL SUBMARINE BASE BANGOR				
		BANGOR, WASHINGTON				
	345	MISSION SUPPORT FACILITIES FOR SSBN/SSGN	15,780	15,780	Current	257
		Subtotal	15,780	15,780		
		NAVAL STATION EVERETT				
		EVERETT, WASHINGTON				
	155	BEQ HOMEPORT ASHORE (INCR I)	70,950	49,950	Current	265
		Subtotal	70,950	49,950		
		STRATEGIC WEAPONS FACILITY PACIFIC				
		SILVERDALE, WASHINGTON				
	964	ENCLOSE MOTOR TRANSFER FACILITY	2,860	2,860	Current	275
	973A	LIMITED AREA PRODUCTION & STORAGE	0	47,095	Current	279
		COMPLEX (LAPSC) INCR II				
	977	WATERFRONT SECURITY ENCLAVE	41,520	41,520	Current	271
		Subtotal	44,380	91,475		
		Total - WASHINGTON	131,110	157,205		
		Total - Inside The United States	939,498	964,646		
		Outside the United States				
GUAM						
		COMMANDER NAVAL FORCES MARIANAS				
		FINEGAYAN, GUAM				
	431	ALPHA/BRAVO WHARVES IMPROVS (INCR I)	55,473	25,584	Current	291
		Subtotal	55,473	25,584		
		Total - GUAM	55,473	25,584		
		Total - Outside The United States	55,473	25,584		
		Various Locations				
	998	WHARF UPGRADES (INCR I)	83,010	39,019	Current	283
		Total - Various Locations	83,010	39,019		
		Total - FY 2006 Military Construction Program	1,077,981	1,029,249		
		Total - FY 2006 Military Construction Family Housing Program	0	0		
		Grand Total	1,077,981	1,029,249		

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State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
	699	A/C MAINTENANCE HANGAR (MH-60S CV)	21,565	21,565	New	219
	094B	PIER 11 REPLACEMENT (INCREMENT III)	0	40,200	Current	213
	705	H60 TRAINER BUILDING	10,680	10,680	New	209
		Subtotal	32,245	72,445		
		NORFOLK NAVAL SHIPYARD				
		PORTSMOUTH, VIRGINIA				
	391	SHIP REPAIR PIER 3 REPL (INCR I)	78,788	47,729	Current	225
		Subtotal	78,788	47,729		
		NAVAL AIR STATION OCEANA				
		VIRGINIA BEACH, VIRGINIA				
	803	F/A 18 FAC UPGRADES	11,680	11,680	New	251
		Subtotal	11,680	11,680		
		Total - VIRGINIA	158,747	167,888		
WASHINGTON						
		NAVAL SUBMARINE BASE BANGOR				
		BANGOR, WASHINGTON				
	345	MISSION SUPPORT FACILITIES FOR SSBN/SSGN	15,780	15,780	Current	257
		Subtotal	15,780	15,780		
		NAVAL STATION EVERETT				
		EVERETT, WASHINGTON				
	155	BEQ HOMEPORT ASHORE (INCR I)	70,950	49,950	Current	265
		Subtotal	70,950	49,950		
		STRATEGIC WEAPONS FACILITY PACIFIC				
		SILVERDALE, WASHINGTON				
	964	ENCLOSE MOTOR TRANSFER FACILITY	2,860	2,860	Current	275
	973A	LIMITED AREA PRODUCTION & STORAGE COMPLEX	0	47,095	Current	279
		(LAPSC) INCR II				
	977	WATERFRONT SECURITY ENCLAVE	41,520	41,520	Current	271
		Subtotal	44,380	91,475		
		Total - WASHINGTON	131,110	157,205		
		Total - Inside The United States	749,718	795,548		

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State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
		Inside the United States				
ARIZONA						
		MARINE CORPS AIR STATION				
		YUMA, ARIZONA				
	521	ROTARY WING FUELING APRON	3,637	3,637	Current	3
		Subtotal	3,637	3,637		
		Total - ARIZONA	3,637	3,637		
CALIFORNIA						
		MARINE CORPS AIR STATION				
		CAMP PENDLETON, CALIFORNIA				
	037	FLIGHT LINE SECURITY FENCE	1,400	1,400	Current	9
		Subtotal	1,400	1,400		
		MARINE CORPS BASE				
		CAMP PENDLETON, CALIFORNIA				
	110	RECLAMATION/CONVEYANCE INCR I	63,157	25,436	Current	15
	013	ASSAULT BREACHER VEHICLE FACILITY	5,660	5,160	Current	23
	015	BACHELOR ENLISTED QUARTERS, HEADQUARTERS	21,620	19,620	Current	19
		(14) AREA				
		Subtotal	90,437	50,216		
		Total - CALIFORNIA	91,837	51,616		
HAWAII						
		MARINE CORPS BASE HAWAII				
		KANEOHE, HAWAII				
	817	CAMP SMITH FIRE STATION	5,700	5,700	Current	89
		Subtotal	5,700	5,700		
		Total - HAWAII	5,700	5,700		
NORTH CAROLINA						
		MARINE CORPS BASE				
		CAMP LEJEUNE, NORTH CAROLINA				
	1025	ASSAULT BREACHER VEHICLE FACILITY	4,040	4,040	Current	147
	034	MULTI-PURPOSE MACHINE GUN RANGE	6,370	5,370	Current	155
	1030	MESS HALL, COURTHOUSE BAY	11,840	11,840	Current	151
	151	BACHELOR ENLISTED QTRS, CAMP JOHNSON	22,340	20,340	Current	143
		Subtotal	44,590	41,590		
		MARINE CORPS AIR STATION				
		CHERRY POINT, NORTH CAROLINA				
	124	AICUZ LAND ACQUISITION	1,890	1,890	Current	165
	720	HIGH EXPLOSIVE MAGAZINES	5,107	5,107	Current	161

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Installation/Location	Proj No.	Project Title	Cost ($000)	Mission Status
		Inside the United States		
ARIZONA				
MARINE CORPS AIR STATION YUMA, ARIZONA	521	ROTARY WING FUELING APRON	3,637	Current
CALIFORNIA				
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	013	ASSAULT BREACHER VEHICLE FACILITY	5,160	Current
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	015	BACHELOR ENLISTED QUARTERS, HEADQUARTERS (14) AREA	19,620	Current
MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA	037	FLIGHT LINE SECURITY FENCE	1,400	Current
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	110	RECLAMATION/CONVEYANCE INCR I	25,436	Current
NAVAL AIR WEAPONS STATION CHINA LAKE, CALIFORNIA	121	ADVANCED SENSOR LAB	19,158	Current
NAVAL AIR FACILITY EL CENTRO, CALIFORNIA	207A	APRON & HANGAR RECAPITALIZATION (INCR II)	18,666	Current
NAVAL AIR STATION LEMOORE NAS, CALIFORNIA	216	REPLACE AIR TRAFFIC CONTROL TOWER	8,480	Current
NAVAL BASE CORONADO (NORTH ISLAND) CORONADO, CALIFORNIA	742	BEQ - SHIPBOARD ASHORE (HOMEPORT ASHORE)	13,700	Current
DISTRICT OF COLUMBIA				
PLANNING /DESIGN WASHINGTON, DISTRICT OF COLUMBIA	206	PLANNING AND DESIGN	29,512	Current
MINOR CONSTRUCTION WASHINGTON, DISTRICT OF COLUMBIA	206	UNSPECIFIED MINOR CONSTRUCTION	0	Current
FLORIDA				
NAVAL STATION MAYPORT, FLORIDA	185	EXPAND FLIGHT TRAINER FACILITY	2,930	New
NAVAL AIR STATION JACKSONVILLE, FLORIDA	312	HELO HANGAR REPL (INCR I)	45,179	New
NAVAL DIVING AND SALVAGE TRAINING CENTER PANAMA CITY, FLORIDA	315	JOINT AQUATIC COMBAT DIVER TRAINING FACILITY	9,678	Current
NAVAL AIR STATION PENSACOLA, FLORIDA	736	WATER TREATMENT FAC RECAP	8,710	Current
NAVAL STATION MAYPORT, FLORIDA	773	BEQ HOMEPORT ASHORE	7,820	Current
GEORGIA				
STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA	586	U&SI AND WATERFRONT SECURITY EMERGENCY GENERATOR	3,000	Current
HAWAII				
COMMANDER IN CHIEF US PACIFIC COMMAND	113	PACIFIC WARFIGHTING CENTER	29,700	Current

DEPARTMENT OF THE NAVY
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Mission Status Index

Installation/Location	Proj No.	Project Title	Cost ($000)	Mission Status
PEARL HARBOR, HAWAII				
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	817	CAMP SMITH FIRE STATION	5,700	Current
ILLINOIS				
NAVAL STATION GREAT LAKES, ILLINOIS	667	DRILL HALL REPLACEMENT	16,610	Current
NAVAL STATION GREAT LAKES, ILLINOIS	740	RTC RECRUIT BARRACKS	38,720	Current
NAVAL STATION GREAT LAKES, ILLINOIS	741	RTC RECRUIT BARRACKS	33,840	Current
NAVAL STATION GREAT LAKES, ILLINOIS	748	RTC INFRASTRUCTURE UPGRADES (INCREMENT I)	32,730	Current
MARYLAND				
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION	147	MULTI-MISSION MARITIME AIRCRAFT TEST FACILITIES	5,800	Current
PATUXENT RIVER, MARYLAND				
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION	159A	PRESIDENTIAL HELICOPTER PROGS SPT FAC (INCR II)	40,700	New
PATUXENT RIVER, MARYLAND				
NAVAL ACADEMY ANNAPOLIS, MARYLAND	334	WESLEY BROWN FIELD HOUSE INCREMENT I	24,930	Current
NEW JERSEY				
ATLANTIC ORDNANCE COMMAND DET EARLE	032B	GENERAL PURPOSE BERTHING PIER COMPLEX REPLACEMENT INCR III	54,432	Current
COLTS NECK, NEW JERSEY				
NORTH CAROLINA				
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	034	MULTI-PURPOSE MACHINE GUN RANGE	5,370	Current
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	1025	ASSAULT BREACHER VEHICLE FACILITY	4,040	Current
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	1030	MESS HALL, COURTHOUSE BAY	11,840	Current
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	124	AICUZ LAND ACQUISITION	1,890	Current
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	151	BACHELOR ENLISTED QTRS, CAMP JOHNSON	20,340	Current
MARINE CORPS AIR STATION NEW RIVER	663	MAIN GATE SECURITY UPGRADES	2,530	Current
JACKSONVILLE, NORTH CAROLINA				
NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA	689B	OUTLYING LANDING FIELD (OLF) FAC (INCR PY)	0	New
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	720	HIGH EXPLOSIVE MAGAZINES	5,107	Current
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	985	V22 GEARBOX REPAIR & TEST FACILITY	15,390	New
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	986	V22 ROTOR BLADE REPAIR FAC	4,760	New

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Installation/Location	Proj No.	Project Title	Cost ($000)	Mission Status
TEXAS				
NAVAL AIR STATION KINGSVILLE, TEXAS	271	AIRFIELD LIGHTING (NALFOG)	6,010	Current
VIRGINIA				
NAVAL STATION NORFOLK, VIRGINIA	094B	PIER 11 REPLACEMENT (INCREMENT III)	40,200	Current
NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA	283	REPLACE PIERS 44-51 AND QUAYWALL	36,034	Current
MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA	340	HOCKMUTH HALL ADDITION (INCR I)	2,600	Current
NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA	391	SHIP REPAIR PIER 3 REPL (INCR I)	47,729	Current
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	448A	WHITE SIDE COMPLEX (INCR II)	34,730	Current
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	495	AIRCRAFT PARKING APRON GREEN SIDE	11,667	Current
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	496	AIRCRAFT PARKING APRON WHITE SIDE	8,031	Current
NAVAL STATION NORFOLK, VIRGINIA	699	A/C MAINTENANCE HANGAR (MH-60S CV)	21,565	New
NAVAL STATION NORFOLK, VIRGINIA	705	H60 TRAINER BUILDING	10,680	New
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA	803	F/A 18 FAC UPGRADES	11,680	New
WASHINGTON				
NAVAL STATION EVERETT EVERETT, WASHINGTON	155	BEQ HOMEPORT ASHORE (INCR I)	49,950	Current
NAVAL SUBMARINE BASE BANGOR BANGOR, WASHINGTON	345	MISSION SUPPORT FACILITIES FOR SSBN/SSGN	15,780	Current
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	964	ENCLOSE MOTOR TRANSFER FACILITY	2,860	Current
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	973A	LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC) INCR II	47,095	Current
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	977	WATERFRONT SECURITY ENCLAVE	41,520	Current
Outside the United States				
GUAM				
COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	431	ALPHA/BRAVO WHARVES IMPROVS (INCR I)	25,584	Current

DEPARTMENT OF THE NAVY
FY 2006 Military Construction and Family Housing Program
Mission Status Index

Installation/Location	Proj No.	Project Title	Cost ($000)	Mission Status
		Various Locations		
Various Locations				
Various Locations	998	WHARF UPGRADES (INCR I)	39,019	Current

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FY 2006 Military Construction and Family Housing Program
Installation Index

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FY 2006 Military Construction and Family Housing Program
Installation Index

APPROPRIATION
MILITARY CONSTRUCTION, NAVY

Department of the Navy | FY 2006
Annual Budget Estimates | Budget

SECTION 1 - APPROPRIATION LANGUAGE

For acquisition, construction, installation, and equipment of temporary or permanent public works, naval installations, facilities, and real property for the Navy as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, [$1,076,597,000] $1,029,249,000 to remain available until September 30, [2009] 2010. Provided, that of this amount, not to exceed [$90,830,000] $29,512,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

SECTION 2 - EXPLANATION OF LANGUAGE CHANGES

1. Deletion of FY 2005 appropriations shown in brackets.

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DEPARTMENT OF THE NAVY
MILITARY CONSTRUCTION PROGRAM

SPECIAL PROGRAM CONSIDERATIONS

POLLUTION ABATEMENT:
The military construction projects in this program will be designed to meet environmental standards. The Military construction projects proposed are primarily for the abatement of existing pollution problems at Naval and Marine Corps installations and have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

ENERGY CONSERVATION:
The military construction projects proposed in this program will be designed for minimum energy consumption.

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.

CONSTRUCTION CRITERIA MANUAL:

DEPARTMENT OF THE NAVY
MILITARY CONSTRUCTION PROGRAM

SPECIAL PROGRAM CONSIDERATIONS

Project designs conform to Part II of Military Handbook 1190, "Facility Planning and Design Guide."

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M62974	4.Command	5.Area Const Cost Index
MARINE CORPS AIR STATION YUMA, ARIZONA	Commandant of the Marine Corps	1.3

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	0	0	0	0	0	0	0	0	0	0
b. End FY 2011	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(6,232 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	235,357
c.	AUTHORIZATION NOT YET IN INVENTORY.....	48,900
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	3,637
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	5,162
f.	PLANNED IN NEXT THREE PROGRAM YEARS	24,499
g.	REMAINING DEFICIENCY	110,442
h.	**GRAND TOTAL .....**	**427,997**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
11210	ROTARY WING FUELING APRON	15250 m2	3637	09/2003	04/2006
	TOTAL		3637		

9. Future Projects:

a.Included In The Following Program:

11210	FIXED WING FUELING APRON	40220 m2	5162
	TOTAL		5162

b.Major Planned Next Three Years:

14320	EOD FACILITY	977 M2	2753
21154	PROPERTY CONTROL FACILITY	1333 M2	2280
74043	PHYSICAL FITNESS CTR ADD	0 LS	5220
73010	FIRE STATION	2094 M2	6221
73020	SECURITY OPS FACILITY	6340 SF	8025
	TOTAL		24499

c.R&M Unfunded Requirement ($000): 23,820

10. Mission or Major Functions:

To maintain and operate facilities and provide services and material to support operations of a Marine Aircraft Wing and other activities and units as designated by the Commandant of the Marine Corps in connection with the Chief of Naval Operations.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: M62974 MARINE CORPS AIR STATION YUMA, ARIZONA	4.Command Commandant of the Marine Corps	5.Area Const Cost Index 1.3

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M62974	4.Project Title
MARINE CORPS AIR STATION YUMA, ARIZONA	ROTARY WING FUELING APRON

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	11210	P521	3,637

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ROTARY WING FUELING APRON (164,150 SF)	m2	15,250		1760
TAXIWAY (164,150 SF)	m2	15,250	115.20	(1760)
SUPPORTING FACILITIES				1400
ELECTRICAL UTILITIES	LS			(480)
MECHANICAL UTILITIES	LS			(420)
PAVING AND SITE IMPROVEMENTS	LS			(150)
SITE PREPARATIONS	LS			(350)
SUBTOTAL				3160
CONTINGENCY (5%)				160
TOTAL CONTRACT COST				3320
SIOH (5.7%)				190
SUBTOTAL				3510
DESIGN/BUILD - DESIGN COST				130
TOTAL REQUEST ROUNDED				3640
TOTAL REQUEST				3637

10.Description of Proposed Construction

Construct a new Portland Cement Concrete (PCC) rotary wing aircraft refueling apron. This project will provide the required apron space to refuel two rotary wing aircraft simultaneously. Electrical utilities include ligting, grounding, and underground electrical conductors. Mechanical utilities include storm sewer distribution and fire protection water distribution. Paving and site improvements include marking and signage, fencing, and road access. Site preparations include clearing, grading, excavating, and soil stabilization. Sustainable features will be included in the design, development, and construction for the project in accordance with Executive Order 13123 and other laws and executive orders.

11.Requirement: 15250m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

Construct a hot pit refueling apron for rotary wing aircraft. This construction will provide the required apron space to hot pit refuel two rotary wing aircraft simultaneously. DESC MILCON P-523, Rotary Wing Hydrant System, will provide all fuel equipment and is scheduled for construction in FY06. The proposed construction will significantly enhance tenant and deployed squadron operational capabilities by increasing flight operations and reducing aircraft maintenance costs related to cold along-side aircraft refueling via fuel truck and associated aircraft turn-around maintenance. This project will provide MCAS Yuma with an organic hot pit capability to meet its assigned fueling mission without relying solely on tactical assets and military personnel.

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: M62974 MARINE CORPS AIR STATION YUMA, ARIZONA	4.Project Title ROTARY WING FUELING APRON

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	11210	P521	3,637

(Current Mission)

REQUIREMENT:

Facilities are required to provide the capability to simultaneously, and rapidly refuel (hot pit) two light attack helicopters. The rotary wing fueling apron is designed to provide an environmentally safe location to hot refuel CH-46, CH-53, and other rotary wing aircraft. The site location minimizes the operational risks associated with mixing rotary wing and fixed wing hot pits in the same area, thereby reducing FOD hazards and the need for continuous FOD sweeps currently required during mixed aircraft operations on the north apron.

CURRENT SITUATION:

MCAS Yuma does not have an organic hot pit refueling capability. Current hot pit refueling operations provided by Marine Wing Support Squadron-371 tactical assets and performed by military personnel are performed on Taxiway C. The location of this operation creates problems in the free movement of aircraft aboard the Air Station by restricting aircraft access along the taxiway. MWSS-371 provides hot refueling capability at MCAS Yuma via a Tactical Airfield Fuel Dispensing System (TAFDS) consisting of two 20,000 gallon capacity collapsible fabric fuel tanks, rubber hoses and trailer mounted 350 GPM fuel pumps. There are inherent environmental risks involved with the TAFDS, in which fuel leaks and spills are not uncommon.

IMPACT IF NOT PROVIDED:

Without the required apron space to perform hot pit refueling, MCAS Yuma will not have an organic hot pit capability. MCAS Yuma will continue to have an inadequate aviation fuel service capability to meet its fuel mission requirements for tenant and transient hot pit refueling of rotary wing aircraft. MWSS-371 tactical fuel assets and personnel will continue to be used for the Air Station's hot refueling requirements, which has produced a strain on the finite tactical aviation fueling resources and personnel of MWSS-371. Construction of a new rotary wing hot pit refueling apron will give the Air Station the organic capability to rapidly hot refuel two light attack helicopters simultaneously. The hot pits will provide the capability to generate more training sorties during airfield hours through reduced turnaround times. With an organic hot pit capability the tenants and deployed squadrons will experience an increase in mission readiness and capability, as well as more efficient fuel operations. The project will also bring improved fuel service and enhanced fuel delivery capabilities to MCAS Yuma. This facility will co-locate hot pit refueling with supported unit maintenance and ordnance. Maintenance man-hours and turnaround times will be reduced. The use of local hot pits allows for the added protection of maintenance checks that can identify potential maintenance problems prior to any incident. Hot pits allow local ordnance personnel to safe/arm the aircraft thus providing the capability to generate more productive sorties with inert ordnance. The

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M62974	4.Project Title
MARINE CORPS AIR STATION YUMA, ARIZONA	ROTARY WING FUELING APRON

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	11210	P521	3,637

use of organic hot pits will return the tactical assets and military personnel back to MWSS-371 thus restoring the war fighter's tactical readiness.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092003
(B) Date 35% Design or Parametric Cost Estimate Complete		092005
(C) Date Design Completed		042006
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(F) Type of Design Contract		Design 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) :	$240
(A) Production of Plans and Specifications	$200
(B) All other Design Costs	$40
(C) Total	$240
(D) Contract	$40
(E) In-House	$200
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	052006

B. Equipment associated with this project which will be provided from other appropriations: None

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

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M62974	4.Project Title
MARINE CORPS AIR STATION YUMA, ARIZONA	ROTARY WING FUELING APRON

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	11210	P521	3,637

used by other components on an as available basis; however, the scope of the project is based on Navy requirements.

Activity POC: Ron Kruse/CIVIL ENGINEER Phone No: 928-269-3523

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M67604	4.Command	5.Area Const Cost Index
MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA	Commandant of the Marine Corps	1.17

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	2	95	0	0	0	0	0	0	0	97
b. End FY 2011	3	66	0	0	0	0	0	0	0	69

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(411 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	171,199
c.	AUTHORIZATION NOT YET IN INVENTORY.....	23,277
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	1,400
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	9,656
f.	PLANNED IN NEXT THREE PROGRAM YEARS	9,831
g.	REMAINING DEFICIENCY	93,500
h.	**GRAND TOTAL .....**	**308,863**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
87210	FLIGHT LINE SECURITY FENCE	0 LS	1400	09/2003	09/2005
	TOTAL		1400		

9. Future Projects:

a.Included In The Following Program:

11210	TAXIWAY IMPROVEMENTS	4436 m2	1399
11665	TACTICAL VAN PAD EXPANSION	9368 m2	8257
	TOTAL		9656

b.Major Planned Next Three Years:

21107	HANGAR 02 ADDITIONS	804 M2	3185
85210	SECURITY STAND OFF STRUCTURE	LS	6646
	TOTAL		9831

c.R&M Unfunded Requirement ($000): 1,730

10. Mission or Major Functions:

As a key component of the Commander, Marine Corps Air Bases, West, provides airfield facilities and material to support operations of the Third Marine Aircraft Wing Unit.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA	4.Command Commandant of the Marine Corps	5.Area Const Cost Index 1.17

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67604	4.Project Title
MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA	FLIGHT LINE SECURITY FENCE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	87210	P037	1,400

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
FLIGHT LINE SECURITY FENCE	LS			850
FLIGHT LINE SECURITY FENCE (6,339 LF)	m	1,932	84.83	(160)
PATROL ROADS (NEW) (10,549 SF)	m2	980	85.00	(80)
BUILT-IN EQUIPMENT	LS			(390)
SPECIAL COSTS	LS			(220)
SUPPORTING FACILITIES				370
ELECTRICAL UTILITIES	LS			(60)
MECHANICAL UTILITIES	LS			(10)
PAVING AND SITE IMPROVEMENTS	LS			(230)
SITE PREPARATIONS	LS			(30)
DEMOLITION	LS			(40)
SUBTOTAL				1220
CONTINGENCY (5%)				60
TOTAL CONTRACT COST				1280
SIOH (5.7%)				70
SUBTOTAL				1350
DESIGN/BUILD - DESIGN COST				50
TOTAL REQUEST ROUNDED				1400
TOTAL REQUEST				1400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(525)

10.Description of Proposed Construction

Construct a physical barrier around the perimeter boundary of the Air Station flight line using steel chain link fence with three-strand barbed wire double cantilever and coiled concertina wire, motorized vehicular gates and pedestrian turnstiles, patrol roads, and paving of existing dirt roads. Built-in equipment includes pedestrian turnstiles, vehicle access gates, and lighting. Special costs include slurry sealing/striping of existing parking and Air Station roads in order to delineate them as a patrol roads, conduit for Intrusion Detection System (IDS) equipment and security cameras, and compacted gravel fill and soil stabilization. Electrical utilities include light poles equipped with camera mounts, and relocation of existing transformer. Mechanical utilities include relocation of fire hydrants. Paving and site improvements include asphalt paving, concrete curbs and gutters, landscaping and signage. Site preparations include storm water management plan and pollution prevention. Demolition includes existing walls, curbs, and gutters. Sustainable design will be integrated into the design, development and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67604	4.Project Title
MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA	FLIGHT LINE SECURITY FENCE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	87210	P037	1,400

Project provides perimeter security to the flightline through fencing, motorized vehicular access gates and pedestrian turnstiles, and flight line perimeter patrol roads.

(Current Mission)

REQUIREMENT:

Perimeter fencing that will give the Air Station the ability to limit access to flight line operations to authorized personnel and provide physical security for aviation assets.

CURRENT SITUATION:

Marine Corps Air Station Camp Pendleton is currently in violation of Marine Corps Order 5530.14, which requires controlled or escorted access/movement within flight line facilities. A steep levee bounds the north-eastern perimeter of the flight line, however no patrol roads exist to monitor access of the levee. Existing fencing is low and is not contiguous, restricting access to only small portions of the active flight line. Existing aircraft and assets are vulnerable to intentional and unintentional disruption and/or damage.

IMPACT IF NOT PROVIDED:

Personnel and valuable flight line assets will remain vulnerable to unauthorized access and intentional and unintentional disruption and/or damage. Potential incidents of unlawful flight line entry will remain high.

12.Supplemental Data:

A. Estimated Design	
1. Status:	
(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	012005
(C) Date Design Completed	092005
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$240
(A) Production of Plans and Specifications	$200
(B) All other Design Costs	$40

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67604	4.Project Title
MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA	FLIGHT LINE SECURITY FENCE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	87210	P037	1,400

(C) Total	$240
(D) Contract	$40
(E) In-House	$200
4. Contract Award	012006
5. Construction Start	022006
6. Construction Complete	042007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrusion Detection System	OPN	2007	$525

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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Gilbert Chavarria Phone No: 760-725-8117

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67604	4.Project Title
MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA	FLIGHT LINE SECURITY FENCE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	87210	P037	1,400

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M00681	4.Command	5.Area Const Cost Index
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	Commandant of the Marine Corps	1.17

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	332	772	1660	0	0	0	0	0	0	2764
b. End FY 2011	365	808	1660	0	0	0	0	0	0	2833

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(126,749 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	1,341,430
c.	AUTHORIZATION NOT YET IN INVENTORY.....	225,231
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	50,216
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	89,237
f.	PLANNED IN NEXT THREE PROGRAM YEARS	303,691
g.	REMAINING DEFICIENCY	697,179
h.	**GRAND TOTAL .....**	**2,706,984**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
21453	ASSAULT BREACHER VEH FAC	0 LS	5160	09/2003	04/2006
72111	BACHELOR ENLISTED QUARTERS	8500 m2	19620	09/2003	04/2006
*83210	CONVEYANCE/RECLAMATION INC I	0 LS	25436	09/2003	04/2006
	TOTAL		50216		

9. Future Projects:

a.Included In The Following Program:

14345	ARMORY/COMM COMPLEX	4352.7 m2	11676
21451	REGIMENTAL MAINT COMPLEX	3510 m2	14910
31310	AMPHIBIOUS VEHICLE TEST BRANCH ANNEX	840 m2	2330
72111	BACHELOR ENLISTED QUARTERS, CHAPPO 22 AREA	4671 m2	13780
73010	FIRE EMERGENCY RESPONSE STATION, DEL MAR AREA	914 m2	4770
74044	PHYSICAL FITNESS CENTER	2390 m2	8350
*83110	CONVEYANCE/RECLAMATION INC II	0 LS	33421
	TOTAL		89237

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M00681	4.Command	5.Area Const Cost Index
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	Commandant of the Marine Corps	1.17

b.Major Planned Next Three Years:

17145	FORCE RECON TRAINING TOWER		LS	3668
21375	AAAV MAINTENANCE FACILITY	1663	M2	22686
21451	EQUIP MAINT FACILITY	279	M2	2189
21710	FORCE INTEL OPS CENTER, PHASE 3 (9TH COMM)	5842	M2	10716
72111	BACHELOR ENLISTED QUARTERS	8500	M2	23750
*83110	WATER/WW TDS RED FAC(B-PH3	0	LS	32643
17110	DIV SCHOOLS HQ AREA	25120	SF	15964
61010	INFANTRY TRAINING CENTER	18626	SF	4233
61072	ISR CAMP INTEL BATTALION	5852	M2	13504
83110	DEMO STP SOUTH SYS (PH 5)	0	LS	5846
*83110	STP 9 CONVEYANCE AND DEMOLITION		LS	10067
*84151	5 MILLION GALLON RESERVOIR	0	LS	8134
21410	LAR BN FAC	2568	M2	7673
61072	INFANTRY BATTALION COMPLEX INC I		LS	40161
72111	BEQ	0	LS	15803
72124	BACHELOR ENLISTED QUARTERS	0	LS	25115
72124	BACHELOR ENLISTED QUARTERS	0	LS	25571
72124	BACHELOR ENLISTED QUARTERS	868	M2	25115
73010	FIRE STA VARIOUS	26337	SF	5538
73010	FIRE STATION, PULGAS	0	LS	2789
85110	OPERATIONS ACCESS POINTS	0	LS	2526
	TOTAL			303691

c.R&M Unfunded Requirement ($000): 108,980

10. Mission or Major Functions:

To provide housing, training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other activities and units designated by the Commandant of the Marine Corps. To conduct specialized schools and other training as directed. To receive and process students in order to conduct field training in basic combat skills.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 109701

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00681	4.Project Title
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	RECLAMATION/CONVEYANCE INCR I

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0202056M	83210	P110	Auth 63,157 Approp 25,436 Auth for Approp 25,436

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
RECLAMATION/CONVEYANCE INCR I	LS			16940
CONVEYANCE/RECLAMATION (4,423 LF)	m	1,348	2,607.61	(3520)
CONVEYANCE (34,501 LF)	m	10,516	866.00	(9110)
PUMPING STATION	EA	1	4,308,084.00	(4310)
SUPPORTING FACILITIES				37980
SPECIAL CONSTRUCTION FEATURES	LS			(20640)
PAVING AND SITE IMPROVEMENT	LS			(10)
MECHANICAL UTILITIES	LS			(15480)
ENVIRONMENTAL MITIGATION	LS			(1790)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
SUBTOTAL				54920
CONTINGENCY (5%)				2750
TOTAL CONTRACT COST				57670
SIOH (5.7%)				3290
SUBTOTAL				60960
DESIGN/BUILD - DESIGN COST				2200
FINANCED FROM PRIOR YEARS	LS			-4300
LESS INCREMENT 2 FUNDING - FY 2007	LS			-33421
TOTAL REQUEST ROUNDED				25439
TOTAL REQUEST				25436

10.Description of Proposed Construction

Construct pumping and pipeline infrastructure to convey wastewater from STPs 1, 2, 3, and other collection areas, and the Sewage Lift Station (SLS) 8 tributary areas to the new regional sewage treatment plant (P-002, P-002a). Construction includes but is not limited to: wet well/dry well installations, pump and pump station installations, piping installation, flow equalization structures, stand-by-emergency power, new electrical power service system, remote monitoring and connections to Energy Monitoring System, and controls. Construct a reuse effluent distribution system to convey disinfected tertiary treated wastewater from the Southern Regional Tertiary Treatment Plant (SRTTP) to the selected reclamation areas. Construct new Reuse Lift Stations (RLS), SRTTP effluent storage tanks, ponds and lakes, and distribution system piping. Construct installations featuring: some ground grading, trenching, pipe laying, hydro-seeding, and planting of trees and shrubs; installation of, RLS pumps electrical/instrumentation, meters, backflow prevention devices, couplers, etc., for selected reclamation areas. These areas include: agriculture fields, pastures, recreation fields, MCB housing complexes common and recreation areas, etc. The construction installation features include: ground grading, trenching, pipe laying, hydro-seeding, and planting of trees and shrubs;

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	4.Project Title RECLAMATION/CONVEYANCE INCR I

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0202056M	83210	P110	Auth 63,157 Approp 25,436 Auth for Approp 25,436

installation of, RLS pumps electrical/instrumentation, meters, backflow prevention devices, couplers, etc. Sustainable features will be included in the design, development, and construction for the project in accordance with Executive Order 13123 and other laws and executive orders. Project also includes environmental mitigation, handicap accessibility and Anti-Terrorism/Force Protection features including fencing, gates, and lighting.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

Construct sewage conveyance system to convey raw sewage from STPs and collection areas to the new Southern Region Tertiary Treatment Plant (SRTTP) located near the current STP 13 facility. The SRTTP has been designed to provide adequate treatment capacity to handle the raw sewage from collection/tributary areas. The SRTTP has been sized to accommodate known and planned influent quantities. This project also constructs a distribution system to convey disinfected tertiary treated effluent from the SRTTP to various locations on MCB Camp Pendleton where such water will be reused to maximum extent (i.e., reuse of tertiary treated water through various agriculture and landscape irrigation) eliminating any discharge to the Santa Margarita River (SMR). This maximizing of reclamation has been shown to have no adverse impacts to the SMR and its estuary.

This is a Major component of the five-year phased program that will, when complete, achieve regulatory compliance for the MCB Camp Pendleton wastewater systems.

(Current Mission)

REQUIREMENT:

The SRTTP replaces existing STPs and provides tertiary treatment for the flow from these collection areas. Wastewater conveyance systems (consisting of lift stations, force mains, and gravity lines) must be constructed to convey raw wastewater from these areas to the SRTTP. In addition, a treated effluent conveyance system must be constructed to facilitate the disposal of the tertiary treated effluent from the SRTTP for reuse. The existing wastewater infrastructure is not extensive enough to transmit raw waste water to the SRTTP or treated effluent to the reuse sites.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	4.Project Title RECLAMATION/CONVEYANCE INCR I

5.Program Element 0202056M	6.Category Code 83210	7.Project Number P110	8.Project Cost ($000) Auth 63,157 Approp 25,436 Auth for Approp 25,436

CURRENT SITUATION:

MCB Camp Pendleton has been in violation of existing wastewater quality standards for discharge of treated sewage water to the Santa Margarita River. Cease and Desist Orders (CDOs,) for the STPs in the Southern Region have been issued by the San Diego Regional Water Quality Control Board. The U.S. District Court has issued a Consent Order, which was the result of suits brought by various citizen watchdogs. In September 2003, the MCB sent its treated compliant effluent to an Oceanside outfall pipe on a short-term basis agreement. MCB Camp Pendleton currently relies on seven STPs, 71 Lift Stations and vehicle wash stations, and over 156 miles of sewage collection pipelines to collect, pump, and treat raw sewage and vehicle wash water from the cantonment areas of the MCB. MCB currently has an interim agreement with the City of Oceanside to dispose of secondary treated effluent via the City's existing ocean outfall. This was accomplished by constructing a 2.2-mile pipeline from the MCB to the Outfall Pump Station. This agreement was intended to allow MCB to meet the San Diego Regional Water Quality Control Board discharge requirements. This Agreement stipulates that use of the outfall is for a 5-year period commencing on the date the MCB begins pumping effluent into the outfall. The MCB may exercise up to three additional option years only if it can certify to the Oceanside City Council that it has secured full funding for the SRTTP and alternate disposal facilities. Maximizing reclamation opportunities and incorporating appropriate seasonal storage will result in the MCB being able to reuse 100% of the SRTTP treated effluent.

IMPACT IF NOT PROVIDED:

Without the construction of this conveyance system, sewage from the new treatment plant will be pumped through outdated, undersized, and unreliable sewage treatment system. Continued discharge from the existing STPs will result in continued Notice of Violations, potential adverse impacts to the environment, and civil litigation.

12.Supplemental Data:

A. Estimated Design

1. Status:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00681	4.Project Title
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	RECLAMATION/CONVEYANCE INCR I

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0202056M	83210	P110	Auth 63,157 Approp 25,436 Auth for Approp 25,436

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	082007

B. Equipment associated with this project which will be provided from other appropriations: None

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 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: Mr. R. Couchot Phone No: (760) 763-4837

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00681	4.Project Title
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	BACHELOR ENLISTED QUARTERS, HEADQUARTERS (14) AREA

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	72111	P015	Auth 21,620 Approp 19,620 Auth for Approp 19,620

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
BACHELOR ENLISTED QUARTERS, HEADQUARTERS (14) AREA (91,493 SF)	m2	8,500		16340
BACHELOR ENLISTED QUARTERS (91,493 SF)	m2	8,500	1,680.00	(14280)
BUILT-IN EQUIPMENT	LS			(130)
TECHNICAL OPERATING MANUALS	LS			(130)
INFORMATION SYSTEMS	LS			(170)
ANTI-TERRORISM/FORCE PROTECTION	LS			(580)
SPECIAL COSTS	LS			(1050)
SUPPORTING FACILITIES				2460
ELECTRICAL UTILITIES	LS			(620)
MECHANICAL UTILITIES	LS			(190)
PAVING AND SITE IMPROVEMENTS	LS			(1050)
SITE PREPARATIONS	LS			(210)
DEMOLITION	LS			(60)
ENVIRONMENTAL MITIGATION	LS			(300)
ANTI-TERRORISM/FORCE PROTECTION	LS			(30)
SUBTOTAL				18800
CONTINGENCY (5%)				940
TOTAL CONTRACT COST				19740
SIOH (5.7%)				1130
SUBTOTAL				20870
DESIGN/BUILD - DESIGN COST				750
FINANCED FROM PRIOR YEARS	LS			-2000
TOTAL REQUEST ROUNDED				19620
TOTAL REQUEST				19620

10.Description of Proposed Construction

Construct a multi-story reinforced concrete masonry building with concrete foundation and floors, and standing seam metal roof, providing 200 rooms with semi-private bathrooms in the standard 2x0 room configuration. Community and service core areas consist of laundry facilities, multipurpose rooms, lounges, administrative offices, housekeeping areas and public restrooms. Built-in equipment includes a service elevator and keyless entry system. Special costs include relocation of existing road to minimize encroachment towards the coastal sage scrub area and keyless entry system. Electrical systems include fire alarms, energy saving electronic monitoring and control system (EMCS), and information systems. Mechanical systems include plumbing, fire protection systems, heating and ventilation. Supporting facilities work includes site and building utility connections (water, natural gas, sanitary and storm sewers, electrical, telephone, LAN, and cable television). Paving and site improvements including paved

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	4.Project Title BACHELOR ENLISTED QUARTERS, HEADQUARTERS (14) AREA

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	72111	P015	Auth 21,620 Approp 19,620 Auth for Approp 19,620

parking, sidewalks, basketball and volleyball courts, bus shelter/turnouts, earthwork, grading and landscaping. Also includes technical operating manuals. Demolition includes site demolition of existing power poles and relocation of existing electrical utilities. Environmental mitigation includes California Gnatcatcher (CAGN) surveys, bio-monitoring, and Coastal Sage Scrub restoration. Sustainable design will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive orders.

Rooms: 200 two-person rooms
Maximum utilization: 400 E1-E3
Intended Grade Mix: 164 E1-E3, 75 E-4, and 43 E5
Total: 282 persons

11.Requirement: 8500m2 **Adequate:** m2 **Substandard:** m2

PROJECT:
Provides 400 living spaces (200 two-person rooms) using the 2x0 standard room design for permanent party bachelor enlisted personnel.
(Current Mission)

REQUIREMENT:
This project will correct billeting space deficiencies for junior Enlisted Marines in the Headquarters (14) Area of Camp Pendleton.

CURRENT SITUATION:
Adequate billeting in the Headquarters (14) Area is currently at maximum capacity, with a deficit of 2,248 programmable man spaces. Marines are being over billeted in crowded conditions, many at 3 per room. This overcrowding is a detriment to the quality of life and does not meet the Marine Corps/DoD Billeting Standards of 2 persons per room for all enlisted personnel (E1-E3) and one per room for E4-E5. The situation is so critical that even assigning 3 per room does not meet the billeting requirements and personnel are currently being billeted off base.

IMPACT IF NOT PROVIDED:
If this project is not provided, three personnel will continue to be billeted in rooms intended for two persons. The command area will loose unit cohesiveness because junior enlisted Marines will require billeting off-base.

12.Supplemental Data:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00681	4.Project Title
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	BACHELOR ENLISTED QUARTERS, HEADQUARTERS (14) AREA

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	72111	P015	Auth 21,620 Approp 19,620 Auth for Approp 19,620

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	042008

B. Equipment associated with this project which will be provided from other appropriations: None

C. FY 2004 R&M Conducted ($000): $15,645

D. FY 2005 R&M Conducted ($000): $17,202

E. Future R&M Requirements ($000):

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 Navy requirements.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	4.Project Title BACHELOR ENLISTED QUARTERS, HEADQUARTERS (14) AREA

5.Program Element 0216496M	6.Category Code 72111	7.Project Number P015	8.Project Cost ($000) Auth 21,620 Approp 19,620 Auth for Approp 19,620

Activity POC: Bob Song Phone No: 760-725-5366

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00681	4.Project Title
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	ASSAULT BREACHER VEHICLE FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21453	P013	Auth 5,660 Approp 5,160 Auth for Approp 5,160

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ASSAULT BREACHER VEHICLE FACILITY	LS			3310
VEHICLE WASH RACK	EA	1	483,503.69	(480)
HEAVY EQUIPMENT PARKING RAMP (64,799 SF)	m2	6,020	91.15	(550)
STORAGE BUILDING (4,004 SF)	m2	372	1,226.39	(460)
ABV MAINTENANCE SHOP ADDITION (4,951 SF)	m2	460	2,271.24	(1040)
BUILT-IN EQUIPMENT	LS			(330)
TECHNICAL OPERATING MANUALS	LS			(50)
INFORMATION SYSTEMS	LS			(20)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
SPECIAL COSTS	LS			(330)
SUPPORTING FACILITIES				1610
SPECIAL CONSTRUCTION FEATURES	LS			(80)
ELECTRICAL UTILITIES	LS			(260)
MECHANICAL UTILITIES	LS			(120)
PAVING AND SITE IMPROVEMENTS	LS			(720)
SITE PREPARATIONS	LS			(70)
DEMOLITION	LS			(60)
ENVIRONMENTAL MITIGATION	LS			(230)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
SUBTOTAL				4920
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5170
SIOH (5.7%)				290
SUBTOTAL				5460
DESIGN/BUILD - DESIGN COST				200
FINANCED FROM PRIOR YEARS	LS			-500
TOTAL REQUEST ROUNDED				5160
TOTAL REQUEST				5160

10.Description of Proposed Construction

This project constructs a single-story, reinforced concrete masonry building with high-bay maintenance building addition, storage warehouse, wash rack, loading dock, and heavy equipment concrete parking ramp. Construction will include standing-seam metal roofs for the facility addition and new construction. The Maintenance Building contains two maintenance bays, welding/machine shop, tool crib room, parts storage room, and battery storage and charging room. Built-in equipment includes vehicle exhaust removal system, reel-mounted central lubrication and oiling system, P/A system, large capactity compressed air system (with extension to the wash rack area), and a 20-ton overhead crane. Special costs include concrete foundations and floors and pile-supported foundation. Special construction features include heavy equipment reinforced concrete

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	4.Project Title ASSAULT BREACHER VEHICLE FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21453	P013	Auth 5,660 Approp 5,160 Auth for Approp 5,160

parking ramp to accommodate 70-ton tracked vehicles, vehicle wash rack equipped with a high pressure wash system, closed loop water circulation system, high capacity compressed air, steel canopy cover with 1/2 height side aprons on 2 sides, and construction of a heavy equipment loading ramp for loading onto both lowboy and highboy trailers during deployment and exercises at other bases. Electrical systems include fire alarms, energy efficient lighting, and information systems. Mechanical systems include plumbing, fire protection systems, and heating and air conditioning (HVAC). Information systems include LAN and telephone, data communications, and voice communications systems. Demolition work includes asphalt paving, security fencing, an existing at grade concrete wash rack, and an existing above grade, condemned lubrication rack. Technical operating manuals will be provided. Sustainable features will be included in the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

The project constructs a new maintenance addition to an existing building. Also constructs a storage facility and various supporting facilities for the Assault Breacher Vehicle.

(Current Mission)

REQUIREMENT:

This project is required to provide an adequate maintenance facility for the Assault Breacher Vehicle (ABV). Existing facilities are not large enough to accommodate the increased size, weight and length of this vehicle.

CURRENT SITUATION:

The existing maintenance facilities used by the 1st CEB are not equipped to store or maintain the ABV. The heaviest vehicle currently used by the unit is approximately 35 tons. The ABV weighs approximately 60 tons and the retriever vehicle that accompanies it weighs approximately 70 tons. The current maintenance bays are not wide enough nor is the floor strong enough to accommodate the new vehicles. There are no overhead cranes or clean areas to store and work on the equipment associated with the ABV. There are no paved areas to park the vehicle. The required classrooms, storage rooms and other support areas do not exist. The existing lube rack is condemned and the wash rack does not meet current environmental codes.

IMPACT IF NOT PROVIDED:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00681	4.Project Title
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	ASSAULT BREACHER VEHICLE FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21453	P013	Auth 5,660 Approp 5,160 Auth for Approp 5,160

Without this project, the 1st Combat Engineer Battalion will be unable to maintain the new Assault Breacher vehicle and will have to try and safely perform maintenance in a facility that is undersized for this piece of equipment and that does not have the crane capacity required to pull the engine and other heavy parts during maintenance activities.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$240
(A) Production of Plans and Specifications	$200
(B) All other Design Costs	$40
(C) Total	$240
(D) Contract	$40
(E) In-House	$200
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	042007

B. Equipment associated with this project which will be provided from other appropriations: None

JOINT USE CERTIFICATION:

The Director Land Use and Military Construction Branch, Installations and Logistics

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00681	4.Project Title
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	ASSAULT BREACHER VEHICLE FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21453	P013	Auth 5,660 Approp 5,160 Auth for Approp 5,160

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: Lt. Kent Hedges Phone No: 760-725-6026

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N47609	4.Command	5.Area Const Cost Index
NAVAL AIR WEAPONS STATION CHINA LAKE, CALIFORNIA	Commander Navy Installations	1.27

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	108	617	3164	0	0	0	110	130	0	4129
b. End FY 2011	134	750	3164	0	0	0	125	170	0	4343

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(606,933 Acres).....	
b.	INVENTORY AS OF 30 Sep 2004	427,803
c.	AUTHORIZATION NOT YET IN INVENTORY.....	6,150
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	19,158
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,765
f.	PLANNED IN NEXT THREE PROGRAM YEARS	102,895
g.	REMAINING DEFICIENCY	57,426
h.	**GRAND TOTAL .....**	**626,197**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
31125	ADVANCED SENSORS INTEGRATION FACILITY	3264 m2	19158	09/2003	04/2006
	TOTAL		19158		

9. Future Projects:

a.Included In The Following Program:

11110	AIRFIELD PAVEMENT UPGRADE	59137 m2	12765
	TOTAL		12765

b.Major Planned Next Three Years:

72111	BACHELOR ENLISTED QUARTERS	10296 M2	34000
11110	RECONSTRUCT RUNWAY/TAXIWAY	48000 M2	5254
14170	AIR TRAFFIC CONTROL TOWER	275 M2	4022
31220	SURFACE TARGETS DEV LAB	2230 M2	5916
31715	ELECTRONIC WAR TRAINING RANGE	500 M2	19291
72111	BACHELOR ENLISTED QUARTERS	10296 M2	34412
	TOTAL		102895

c.R&M Unfunded Requirement ($000): 62,948

10. Mission or Major Functions:

Principal Navy RDT&E center for air warfare and missile weapons systems. Maintains the primary in-house research and development capability for systems, subsystems and technologies included but not limited to strike aircraft/weapons systems and concept development; air launched weapons and associated avionics systems including aircraft

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N47609 NAVAL AIR WEAPONS STATION CHINA LAKE, CALIFORNIA	4.Command Commander Navy Installations	5.Area Const Cost Index 1.27

guns and ammunition, guided and unguided weapons, aircraft weapons control and aircraft/weapons interface, tactical missiles; subsystems for weapons systems which include propulsion, guidance and control, warheads, fuel and launchers; strike warfare countermeasures; weather modification; and parachute test and evaluation.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N47609	4.Project Title
NAVAL AIR WEAPONS STATION CHINA LAKE, CALIFORNIA	ADVANCED SENSOR LAB

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P121	19,158

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ADVANCED SENSOR LAB (35,133 SF)	m2	3,264		13020
ADVANCED SENSORS LABORATORY (35,133 SF)	m2	3,264	2,409.72	(7870)
BUILT-IN EQUIPMENT	LS			(860)
TECHNICAL OPERATING MANUALS	LS			(130)
INFORMATION SYSTEMS	LS			(480)
ANTI-TERRORISM/FORCE PROTECTION	LS			(790)
SPECIAL COSTS	LS			(2890)
SUPPORTING FACILITIES				3640
SPECIAL CONSTRUCTION FEATURES	LS			(130)
OUTSIDE COMMUNICATIONS LINES	LS			(20)
ELECTRICAL UTILITIES	LS			(480)
MECHANICAL UTILITIES	LS			(1470)
PAVING AND SITE IMPROVEMENTS	LS			(550)
SITE PREPARATIONS	LS			(10)
DEMOLITION	LS			(980)
SUBTOTAL				16660
CONTINGENCY (5%)				830
TOTAL CONTRACT COST				17490
SIOH (5.7%)				1000
SUBTOTAL				18490
DESIGN/BUILD - DESIGN COST				670
TOTAL REQUEST ROUNDED				19160
TOTAL REQUEST				19158
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(569)

10.Description of Proposed Construction

Project constructs a concrete-steel framed, 110 ft-high multi-story addition to the existing Advanced Weapons Laboratory (AWL) complex.

Special costs items for structural height, booster pumps for potable fire protection and 12,252 SF (1,138 M2) of cantilevered outdoor service walksways to interconnect to the adjacent AWL main facility, composite railings, roll-up doors, radomes on top three floors.

Support facilities include chiller enclosure and boiler cover and parking 135 for vehicles. The project will be in compliance with the current seismic code requirements. Building 01409 - 10,135 SF (942 m2), 01410 - 2080 SF (193 m2) and 31505 - 951 SF (88 m2) will be demolished along with three semi-permanent structures numbered 20192 - 5760 SF (535 m2), 20185 -2160 SF (201 m2) and 20263 - 3600 SF (335 m2) totaling 24,686 SF (2294 m2) of demolished square footage.

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N47609 NAVAL AIR WEAPONS STATION CHINA LAKE, CALIFORNIA	4.Project Title ADVANCED SENSOR LAB

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P121	19,158

Built-in equipment shall include special freight and passenger elevators, overhead hoist, avionics forced-air cooling equipment, installed cable and fiber-optic connection conduits, and communication lines.

Anti-terrorism/Force Protection standards will be integrated into the design, development, and construction of the project in accordance with current standards.

The sustainable design features will be included in the design, development and construction for the project in accordance with Executive Order 13123 and other laws and executive orders.

11.Requirement: 3264m2 **Adequate:** 14621m2 **Substandard:** 134m2

PROJECT:
This project will construct a sensors facility, data processing and transfer facility, information systems area, and weapons systems integration laboratory.

(Current Mission)

REQUIREMENT:
Adequate facilities are required to provide an Advanced Sensors Integration Facility (ASIF) to perform weapons systems research, development, integration, test and evaluation (RTD&E) for the Active Electronically Scanned Array (AESA), Advanced Technology Forward Looking Infrared (ATFLIR), Shared Reconnaissance Pod (SHARP) and Electronic Attack F-18 (EAF-18G) programs. Fleet Initial Operational Capability (IOC) requirement dates for these systems begin with ATFLIR in FY2004 and continue through AESA in FY2006.

Lot 26 F-18E/F aircraft deliveries to the Fleet will be delayed if the AESA IOC date is not met. The new facility will provide better capability to cooperate with the defense industry by providing faster, more efficient, and higher quality weapons systems for customers and sponsors by utilizing the unique capabilities of this facility.

CURRENT SITUATION:
When the F/A-18 program took over the existing building (originally designed and sized for the A-12 aircraft), four aircraft types in the form of the F/A-18A, B, C, and D were subsequently introduced. Within each aircraft type there are multiple configurations. Acquisition of Advanced Sensors Integration Facility (ASIF) is not only crucial but critical to bringing the Air Warfare Station to the leading edge of technology.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N47609	4.Project Title
NAVAL AIR WEAPONS STATION CHINA LAKE, CALIFORNIA	ADVANCED SENSOR LAB

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P121	19,158

The sensor lab and office space currently available in Hangar 5 do not have adequate space nor facilities to carry out the activity's functions. Additionally, there is no ready access storage for flight video tapes, mission products and telemetry tapes.

IMPACT IF NOT PROVIDED:
The existing Research & Development facilities have and will limit the Station's mission to insure the fleet, aircraft, and weapons systems are provided weapons that are viable against present and future threats. Technologies must be explored to efficiently meet this research, development, integration, test and evaluation (RTD&E) of existing and future weapon systems. Without this additional tower, the test height and floor space is severely limited for the testing of sensors. Also, if this project is not provided, the unique capabilities of NAWS China Lake CA in the research, development and testing of advanced and state-of-the-art weapons will be compromised.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$330
(A) Production of Plans and Specifications	$250
(B) All other Design Costs	$80
(C) Total	$330
(D) Contract	$80
(E) In-House	$250
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	042007

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

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N47609	4.Project Title
NAVAL AIR WEAPONS STATION CHINA LAKE, CALIFORNIA	ADVANCED SENSOR LAB

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P121	19,158

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
PSE Equipment	OPN	2006	$569

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, and location are incompatible with use by other components.

Activity POC: Deborah Storch Phone No: (760) 939-4631(DSN 437)

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N00246 NAVAL BASE CORONADO (NORTH ISLAND) CORONADO, CALIFORNIA	4.Command Commander Navy Installations	5.Area Const Cost Index 1.17

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	2422	18093	4534	0	0	0	300	985	0	26334
b. End FY 2011	2548	16992	4556	0	0	0	300	985	0	25381

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(975 Acres).....	
b.	INVENTORY AS OF 30 Sep 2004	174,112
c.	AUTHORIZATION NOT YET IN INVENTORY.....	73,770
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	13,700
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	31,093
h.	**GRAND TOTAL .....**	**292,675**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
72111	BEQ HOMEPORT ASHORE	14000 m2	13700	06/2004	03/2006
	TOTAL		13700		

9. Future Projects:

a.Included In The Following Program:

b.Major Planned Next Three Years:

c.R&M Unfunded Requirement ($000): 437,486

10. Mission or Major Functions:

Maintain and operate facilities and provide services and material to support operations of aviation activities and units of the Pacific Fleet. Supports Helicopter Airlift Squadrons, Reserve Squadrons, and anti-submarine warfare Helicopter Squadrons. Homeport for three aircraft carriers. Supports the Naval Aviation Depot.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N00246 NAVAL BASE CORONADO (NORTH ISLAND) CORONADO, CALIFORNIA	4.Command Commander Navy Installations	5.Area Const Cost Index 1.17

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00246	4.Project Title
NAVAL BASE CORONADO (NORTH ISLAND) CORONADO, CALIFORNIA	BEQ - SHIPBOARD ASHORE (HOMEPORT ASHORE)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P742	13,700

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
BEQ - SHIPBOARD ASHORE (HOMEPORT ASHORE) (150,695 SF)	m2	14,000		30370
BEQ (150,695 SF)	m2	14,000	1,791.95	(25090)
BUILT-IN EQUIPMENT	LS			(830)
TECHNICAL OPERATING MANUALS	LS			(170)
INFORMATION SYSTEMS	LS			(1320)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1080)
SPECIAL COSTS	LS			(1880)
SUPPORTING FACILITIES				6060
OUTSIDE COMMUNICATION LINES	LS			(70)
SPECIAL FOUNDATION FEATURES	LS			(1540)
ELECTRICAL UTILITIES	LS			(1600)
MECHANICAL UTILITIES	LS			(1230)
PAVING AND SITE IMPROVEMENTS	LS			(500)
SITE PREPARATIONS	LS			(460)
DEMOLITION	LS			(620)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
SUBTOTAL				36430
CONTINGENCY (5%)				1820
TOTAL CONTRACT COST				38250
SIOH (5.7%)				2180
SUBTOTAL				40430
DESIGN/BUILD - DESIGN COST				1460
LESS PPV CONTRACTOR PARTICIPATION	LS			-28190
TOTAL REQUEST ROUNDED				13700
TOTAL REQUEST				13700

10.Description of Proposed Construction

Construct bachelor enlisted quarters (BEQ) for 800 E1-E3 permanent party personnel. The BEQ will be built through the Public Private Venture pilot program using the appropriated funds as an investment.

This project supports the Navy's Homeport Ashore Program to house homeported single sailors on shore in lieu of on board while in port. Currently, when ships return to homeport, sailors must sleep aboard in bunk beds in cramped spaces with dozens of shipmates, and only a small locker to store their personal belongings. This project will be the second phase of a planned Public Private Venture pilot program for San Diego.

Anti-terrorism/Force Protection standards will be integrated into the construction of the project in accordance.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00246	4.Project Title
NAVAL BASE CORONADO (NORTH ISLAND) CORONADO, CALIFORNIA	BEQ - SHIPBOARD ASHORE (HOMEPORT ASHORE)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P742	13,700

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

Intended Grade Mix: 800 E1-E3
Maximum Utilization: 800 E1-E3

11.Requirement: 223080m2 **Adequate:** 30640m2 **Substandard:** 14197m2

PROJECT:
This project provides adequate Bachelor Enlisted Quarters for E1-E3 enlisted personnel assigned to Naval Base Coronado, CA.
(Current Mission)

REQUIREMENT:
Provide sufficient and adequate housing of E1-E3 permanent party, shipboard personnel assigned to Naval Base Coronado, CA. This project supports the Navy's Homeport Ashore Program to house homeported single sailors on shore in lieu of on board while in port. This project will be the second phase of a planned Public Private Venture pilot program for San Diego.

The Zumwalt Bachelor Housing Accreditation Standards were used to develop Quality of Life requirements. These standards rate housing and work to ensure attention and consideration is given to providing sailors with Quality of Life amenities.

CURRENT SITUATION:
Typical BEQ facilities at Naval Base Coronado are not in accordance with today's quality of life or design criteria. The older BEQ facilities do not provide adequate room space, have shared common baths, do not provide adequate storage space and do not meet overall current bachelor quarters standards, such as the removal of gang heads by 2007, which has been mandated by SECNAV. Per the housing survey of 17 April 2003, there is a current deficit of 1,369 E1-E3 personnel who need housing.

IMPACT IF NOT PROVIDED:
Navy personnel will continue to be subjected to inadequate, deteriorated living conditions due to the existing living quarters not meeting design or quality of life criteria. Naval Base Coronado will not be able to comply with the Navy Homeport Ashore Program to house single sailors on shore vice on board ship. Living space, privacy and safety will be sacrificed, affecting the single sailor's quality of life. These personnel will continue to live in substandard quarters on board ship, sleeping in bunk beds in cramped spaces, with only a small locker to store their personal belongings.

12.Supplemental Data:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00246	4.Project Title
NAVAL BASE CORONADO (NORTH ISLAND) CORONADO, CALIFORNIA	BEQ - SHIPBOARD ASHORE (HOMEPORT ASHORE)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P742	13,700

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	062004
(B) Date 35% Design or Parametric Cost Estimate Complete	092004
(C) Date Design Completed	032006
(D) Percent Completed as of SEPTEMBER 2004	35%
(E) Percent Completed as of JANUARY 2005	55%
(F) Type of Design Contract	Design 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) :	$488
(A) Production of Plans and Specifications	$300
(B) All other Design Costs	$188
(C) Total	$488
(D) Contract	$188
(E) In-House	$300
4. Contract Award	112005
5. Construction Start	032006
6. Construction Complete	032007

B. Equipment associated with this project which will be provided from other appropriations: None

C. FY 2004 R&M Conducted ($000): $30,511

D. FY 2005 R&M Conducted ($000):

E. Future R&M Requirements ($000):

JOINT USE CERTIFICATION:

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: CDR Washington Phone No: 619-545-1112

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N00246 NAVAL BASE CORONADO (NORTH ISLAND) CORONADO, CALIFORNIA	4.Project Title BEQ - SHIPBOARD ASHORE (HOMEPORT ASHORE)

5.Program Element 0212276N	6.Category Code 72111	7.Project Number P742	8.Project Cost ($000) 13,700

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N60042	4.Command	5.Area Const Cost Index
NAVAL AIR FACILITY EL CENTRO, CALIFORNIA	Commander Navy Installations	1.39

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	25	297	92	0	0	0	167	387	0	968
b. End FY 2011	24	302	92	0	0	0	167	387	0	972

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(62,542 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	111,658
c.	AUTHORIZATION NOT YET IN INVENTORY.....	33,331
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	18,666
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	96,694
g.	REMAINING DEFICIENCY	195,774
h.	**GRAND TOTAL .....**	**456,123**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
21105	HANGAR RECAP WEST APRON II	32244 m2	18666	08/2002	04/2005
	TOTAL		18666		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

21105	HANGAR RECAP SOUTH APRON	36230 M2	33559
14125	COMB AIR OPS/FIRE RESCUE	2959 M2	21166
83210	SURVEILLANCE RADAR INSTALL	170 M2	7972
11656	ORDNANCE LOAD PADS PH III	33300 M2	12545
14125	COMB AIR OPS/FIRE RESCUE	2959 M2	21452
	TOTAL		96694

c.R&M Unfunded Requirement ($000): 77,698

10. Mission or Major Functions:

Maintain and operate facilities and provide services and material to support operations of Fleet aviation training activities. Divert field for San Diego area Naval Air Stations. Training and deployment site for fighter, attack, early warning Navy and Marine fleet and reserve squadrons.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N60042 NAVAL AIR FACILITY EL CENTRO, CALIFORNIA	4.Command Commander Navy Installations	5.Area Const Cost Index 1.39

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60042	4.Project Title
NAVAL AIR FACILITY EL CENTRO, CALIFORNIA	APRON & HANGAR RECAPITALIZATION (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21105	P207A	Auth 0 Approp 18,666 Auth for Approp 18,666

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
APRON & HANGAR RECAPITALIZATION (INCR II) (347,072 SF)	m2	32,244		35760
MAINTENANCE HANGAR - TYPE 1 (134,979 SF)	m2	12,540	1,739.00	(21810)
PARKING APRON (212,092 SF)	m2	19,704	183.63	(3620)
BUILT-IN EQUIPMENT	LS			(2820)
TECHNICAL OPERATING MANUALS	LS			(280)
INFORMATION SYSTEMS	LS			(790)
ANTI-TERRORISM/FORCE PROTECTION	LS			(250)
SPECIAL COSTS	LS			(6190)
SUPPORTING FACILITIES				9380
SPECIAL CONSTRUCTION FEATURES	LS			(2090)
TEMPORARY ENVIRONMENTAL CONTROL	LS			(670)
ELECTRICAL UTILITIES	LS			(570)
MECHANICAL UTILITIES	LS			(2780)
PAVING AND SITE IMPROVEMENTS	LS			(1460)
DEMOLITION	LS			(1810)
SUBTOTAL				45140
CONTINGENCY (5%)				2260
TOTAL CONTRACT COST				47400
SIOH (6%)				2840
SUBTOTAL				50240
DESIGN/BUILD - DESIGN COST				1810
LESS INCREMENT I FUNDING	LS			-33331
LESS SIOH REDUCTION	LS			-49
TOTAL REQUEST ROUNDED				18670
TOTAL REQUEST				18666

10.Description of Proposed Construction

Construct four Type I modular hangars to contain maintenance hangar overhead space, crew (01) space, and administrative (02) space. The facilities will include overhead bridge crane support facilities, power operated doors, power operated draft curtain between OH areas, and wet sprinkler fire protection system. Work also includes concrete parking aprons, utilities connections, fire protection water storage vault, oil and water separator tanks, repair/replace existing deteriorated sanitary sewer lines including manholes and two new lift stations, repair/upgrade of storm drainage system, demolition of Hangars 2-5 (Buildings 112, 127, 218, and 225), demolition and relocation of displaced functions of the 1942 vintage buildings, 115, 128, 132, 213, 219, 222, 226, 229 and 240, and temporary environmental controls. The total area of the hangars and buildings to be demolished is 9,843 M2 (105,949 SF).

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N60042 NAVAL AIR FACILITY EL CENTRO, CALIFORNIA	4.Project Title APRON & HANGAR RECAPITALIZATION (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21105	P207A	Auth 0 Approp 18,666 Auth for Approp 18,666

Built-in equipment will consist of an aqueous film forming foam (AFFF) fire protection system for the OH space. Special costs include the costs associated with relocating functions out of buildings to be demolished.

Special construction features include a stone pile foundation, soil mitigation, and engineered fill that will be required for the site. Temporary environmental controls involve a storm water pollution prevention plan and associated measures to comply with California environmental law.

Anti-Terrorism/Force Protection has been addressed in accordance with Department of Defense minimum anti-terrorism standards for buildings. The project also includes technical operating manuals and seismic design features.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 32244m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:
This project will construct four Type I modular hangars and additional parking apron spaces.

(Current Mission)

REQUIREMENT:
Adequate operations facilities are required to house and maintain transient squadron aircraft. The mission of NAF El Centro is to provide support to Navy training and Fleet squadrons, plus Marine Corps, Army, Air Force and foreign detachments. Training includes Air Combat, Low Level Navigation, and Field Carrier Landing Practice (FCLP). NAF El Centro has the unique ability to provide a training area with few encroachment issues, at a low cost per flight, due to the proximity of several ranges. The base has an average loading of seven transient squadrons that use hangars for maintenance, administration, training, and other operations. Generally, one hangar is needed per squadron. The mission of NAF El Centro cannot be effectively accomplished without adequate hangars and aprons.

CURRENT SITUATION:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60042	4.Project Title
NAVAL AIR FACILITY EL CENTRO, CALIFORNIA	APRON & HANGAR RECAPITALIZATION (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21105	P207A	Auth 0 Approp 18,666 Auth for Approp 18,666

The current hangars were designed for propeller aircraft of the 1940's and are not large enough to accommodate today's jet aircraft, which do not fit completely into the hangars. A total of nine aircraft hangars currently exist at NAF El Centro. Seven are available for tenant and transient use, and one is used as a combined fire and rescue station. With the exception of Hangar 6, the hangars are old World War II vintage structures that have long since exceeded their useful life. They have been determined to be seismically unsafe and could sustain serious damage in a strong earthquake. The fire protection systems do not meet current life and safety codes.

Crews must perform most required maintenance outside of the hangars on the apron, where temperatures in the summer often exceed 130 degrees F; temperatures on the tarmac as high as 198 degrees F have been recorded. When maintenance is performed in the hangars, hangar doors can rarely be closed due to placement of the aircraft, with tail sections sticking out or inoperability of the doors due to age and seismic activity. These cramped quarters and extreme conditions lower worker efficiency and morale.

Presently, the siting of the hangars and support facilities on the flightline hinders efficient operations. For example, squadrons using Hangars 4 and 5 must go to facilities nearly one mile away to find adequate pilot briefing spaces.

This project will correct the poor structural condition, outdated design and siting of four existing aircraft hangars. The proposed aprons will augment the existing apron areas.

IMPACT IF NOT PROVIDED:
The restrictive spaces will impair the overall training capability and effectiveness of NAF El Centro to meet mission requirements. Detachments will be forced to find adequate facilities at other activities that are already overcrowded and have encroachment issues. Maintenance personnel will continue to work in extreme conditions on the apron or in confined spaces that do not meet seismic or fire codes.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		082002
(B) Date 35% Design or Parametric Cost Estimate Complete		092004
(C) Date Design Completed		042005
(D) Percent Completed as of	SEPTEMBER 2004	3%

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60042	4.Project Title
NAVAL AIR FACILITY EL CENTRO, CALIFORNIA	APRON & HANGAR RECAPITALIZATION (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21105	P207A	Auth 0 Approp 18,666 Auth for Approp 18,666

(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	122004
5. Construction Start	042005
6. Construction Complete	042007

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. 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: ENS Gabriel Parrilla Phone No: (760) 339-2224

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N63042	4.Command	5.Area Const Cost Index
NAVAL AIR STATION LEMOORE NAS, CALIFORNIA	Commander Navy Installations	1.23

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	793	5812	658	0	0	0	38	137	0	7438
b. End FY 2011	926	5738	658	0	0	0	38	137	0	7497

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(26,777 Acres).....	
b.	INVENTORY AS OF 30 Sep 2004	519,044
c.	AUTHORIZATION NOT YET IN INVENTORY.....	65,501
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	8,480
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	253,369
h.	**GRAND TOTAL .....**	**846,394**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
14170	REPLACE CONTROL TOWER	669 m2	8480	09/2003	04/2006
	TOTAL		8480		

9. Future Projects:

a.Included In The Following Program:

b.Major Planned Next Three Years:

None

c.R&M Unfunded Requirement ($000): 29,448

10. Mission or Major Functions:

Mainain 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 NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N63042 NAVAL AIR STATION LEMOORE NAS, CALIFORNIA	4.Command Commander Navy Installations	5.Area Const Cost Index 1.23

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N63042	4.Project Title
NAVAL AIR STATION LEMOORE NAS, CALIFORNIA	REPLACE AIR TRAFFIC CONTROL TOWER

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	14170	P216	8,480

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
REPLACE AIR TRAFFIC CONTROL TOWER (7,244 SF)	m2	673		6740
MODIFICATIONS TO BLDG 1 (861 SF)	m2	80	1,200.00	(100)
CONTROL TOWER REPLACEMENT (6,383 SF)	m2	593	8,301.50	(4920)
BUILT-IN EQUIPMENT	LS			(820)
TECHNICAL OPERATING MANUALS	LS			(80)
INFORMATION SYSTEMS	LS			(40)
ANTI-TERRORISM/FORCE PROTECTION	LS			(220)
SPECIAL COSTS	LS			(560)
SUPPORTING FACILITIES				640
SPECIAL CONST FEATURES	LS			(50)
OUTSIDE COMMUNICATION LINES	LS			(30)
ELECTRICAL LINES	LS			(130)
SPECIAL FOUNDATION FEATURES	LS			(10)
MECHANICAL UTILITIES	LS			(150)
PAVING AND SITE IMPROVEMENTS	LS			(40)
SITE PREPARATIONS	LS			(10)
DEMOLITION	LS			(220)
SUBTOTAL				7380
CONTINGENCY (5%)				370
TOTAL CONTRACT COST				7750
SIOH (5.7%)				440
SUBTOTAL				8190
DESIGN/BUILD - DESIGN COST				300
TOTAL REQUEST ROUNDED				8490
TOTAL REQUEST				8480

10.Description of Proposed Construction

This project constructs a new 11-story air traffic control tower. The tower cab will be sized for 11 people (12 at FPCon Delta). The tower includes an observation deck and tower supervisor office, training and storage rooms, fire rated exit stairs, elevator access to the 9th floor, male and female restroom facilities, and blast windows. Includes relocation of existing rooftop antennas, cameras, and other equipment, servicing and reuse of existing electrical switch gear and emergency power equipment, demolition of the upper floors of existing Control Tower (Bldg 5) and miscellaneous modifications to existing Operations Building (Bldg 1) to accommodate the new tower. Lower floors of Building 5 must remain to provide utilities to the buildings and roof access to Building 1. Although located adjacent to Building 1, the new tower will be structurally independent of existing facilities.

Anti-terrorism/Force Protection (AT/FP) standards will be integrated into the design, development, and construction of the project.

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N63042 NAVAL AIR STATION LEMOORE NAS, CALIFORNIA	4.Project Title REPLACE AIR TRAFFIC CONTROL TOWER

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	14170	P216	8,480

The sustainable design features will be included in the design, development and construction for the project in accordance with Executive Order 13123 and other executive orders.

Special Costs include seismic adjustments, site upgrade to connector area to building 1,triple glazing and sound attenuation.

Special Construction Features include seismic construction and new roof for the remaining portions of Building 5.

11.Requirement: 669m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

The project constructs a new control tower on the north side of NAS Lemoore to replace the existing control tower.

(Current Mission)

REQUIREMENT:

The existing tower needs to be enlarged to meet current and planned operational requirements, accommodate new equipment for eleven persons (5-online, 5 on training, and a tower supervisor) while safely monitoring increased number of aircraft operations resulting from the addition of 5 new fleet squadrons since 2000. In addition, at FPCon Delta a security detail is stationed in the control cab, raising the total staff to twelve persons. The increase in aircraft operations and the need to continually train on-site air traffic controllers results in a need for an improved tower with increased cab size. The new tower includes an observation deck below the tower cab to separate visitors from operating controllers, thus improving safety, and an exterior catwalk to simplify window cleaning. Additionally, the new control tower will be constructed away from the roadways to meet AT/FP standoff criteria (82 ft.) from adjacent roadways.

CURRENT SITUATION:

NAS Lemoore currently has 289 assigned aircraft with a projected increase of 55 aircraft for a total of 344 aircraft by 2010. The yearly flight operations are expected to increase by 20,000 per year from the 158,099 operations in 2002. Conditions in the existing tower (constructed in 1960) are crowded and functionally inefficient. Only a maximum of 8 personnel can currently be accommodated in these crowded conditions. The tower branch supervisor's bay is poorly located on a ledge at the stairwell, rather than the center of the cab. The crowded conditions raise noise levels in the cab and impede the supervisor's ability to oversee operations. The addition of more F/A - 18E/F aircraft to NAS Lemoore and the resulting increase in flight operations requires three additional persons to be located in the cab. In addition, staff members are required to

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N63042	4.Project Title
NAVAL AIR STATION LEMOORE NAS, CALIFORNIA	REPLACE AIR TRAFFIC CONTROL TOWER

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	14170	P216	8,480

descend to the 5th floor for restroom facilities and ground floor for break time. Current AT/FP stand-off from the road to the control tower is 45 feet.

IMPACT IF NOT PROVIDED:
There will be insufficient space in the existing control tower to fully meet requirements at NAS Lemoore after introduction of additional F/A -18E/F aircraft. The required addition of three personnel to the tower cab will limit training opportunities for personnel pursuing their air traffic control qualifications during their 3 to 4 year tours at NAS Lemoore if additional control tower cab space is not available.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$286
(A) Production of Plans and Specifications	$215
(B) All other Design Costs	$71
(C) Total	$286
(D) Contract	$71
(E) In-House	$215
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	092007

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. Unilateral Construction is recommended. Mission requirements, operational

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N63042 NAVAL AIR STATION LEMOORE NAS, CALIFORNIA	4.Project Title REPLACE AIR TRAFFIC CONTROL TOWER

5.Program Element 0203176N	6.Category Code 14170	7.Project Number P216	8.Project Cost ($000) 8,480

considerations, and location are incompatible with use by other components.

Activity POC: Leilani Navarro Phone No: 559-998-4093

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N00207	4.Command	5.Area Const Cost Index
NAVAL AIR STATION JACKSONVILLE, FLORIDA	Commander Navy Installations	.93

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	1628	7750	5693	0	0	0	166	521	0	15758
b. End FY 2011	1537	6469	5693	0	0	0	166	521	0	14386

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(3,895 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	483,482
c.	AUTHORIZATION NOT YET IN INVENTORY.....	22,482
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	45,179
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	43,424
f.	PLANNED IN NEXT THREE PROGRAM YEARS	25,537
g.	REMAINING DEFICIENCY	189,889
h.	**GRAND TOTAL .....**	**809,993**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
21105	HS HANGAR REPLACEMENT II	19075 m2	45179	09/2003	04/2006
	TOTAL		45179		

9. Future Projects:

a.Included In The Following Program:

21105	HS HANGAR REPLACEMENT II	19075 m2	43424
	TOTAL		43424

b.Major Planned Next Three Years:

73020	PUBLIC SAFETY FACILITY	2016 M2	4799
11320	AIRCRAFT PARKING APRON	39471 M2	8474
61010	CONSOLIDATED OPER SUPT FAC	5782 M2	12264
	TOTAL		25537

c.R&M Unfunded Requirement ($000): 200,235

10. Mission or Major Functions:

This activity is homeport for land-based, anti-submarine warfare and surface surveillance squadrons (P-3) and carrier-based helicopter squadrons (SH-3/SH-60F). Provides support to the Naval Aviation Depot, Naval Air Reserve Unit Two, Fleet Readiness Squadrons, Naval Regional Medical Center.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N00207 NAVAL AIR STATION JACKSONVILLE, FLORIDA	4.Command Commander Navy Installations	5.Area Const Cost Index .93

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00207	4.Project Title
NAVAL AIR STATION JACKSONVILLE, FLORIDA	HELO HANGAR REPL (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21105	P312	Auth 88,603 Approp 45,179 Auth for Approp 45,179

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
HELO HANGAR REPL (INCR I) (205,322 SF)	m2	19,075		43480
NMCI SERVICE ROOM (2,034 SF)	m2	189	1,999.50	(380)
MAINTENANCE HANGAR (203,287 SF)	m2	18,886	1,800.00	(33990)
NEW PAINT BOOTH BLDG 124	LS			(5000)
WASH RACK	LS			(1500)
BUILT-IN EQUIPMENT	LS			(230)
TECHNICAL OPERATING MANUALS	LS			(300)
INFORMATION SYSTEMS	LS			(480)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1600)
SUPPORTING FACILITIES				33580
SPECIAL CONSTRUCTION FEATURES	LS			(300)
SPECIAL FOUNDATION FEATURES	LS			(4300)
ELECTRICAL UTILITIES	LS			(2010)
MECHANICAL UTILITIES	LS			(1200)
PAVING AND SITE IMPROVEMENTS	LS			(7850)
DEMOLITION	LS			(11290)
ENVIRONMENTAL MITIGATION	LS			(6630)
SUBTOTAL				77060
CONTINGENCY (5%)				3850
TOTAL CONTRACT COST				80910
SIOH (5.7%)				4610
SUBTOTAL				85520
DESIGN/BUILD - DESIGN COST				3080
LESS INCREMENT II FUNDING	LS			-43424
TOTAL REQUEST ROUNDED				45176
TOTAL REQUEST				45179
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(30)

10.Description of Proposed Construction

Construct one - five module Type I aircraft maintenance hangar, above ground storage tanks for Aqueous Film Forming Foam (AFFF) discharge, and five 4.5 metric ton bridge crane support facilities. Additional items include information systems, compressed air system, 400 Hz power distribution system, air conditioning and heating systems for personnel spaces, an aircraft striping and paint booth, and a sonar test tank. Project will also demolish and replace failed aircraft parking apron, provide new tie-downs and grounding points, provide new aircraft pavement markings, and install new security fencing with pedestrian turnstiles/gates and vehicle gates. An outdoor aircraft washrack with apparatus shed will be included. Anti-Terrorism/Force Protection design and construction will be a part of this project. Sustainable design will be integrated into the design, development, and construction of the project in accordance with

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N00207 NAVAL AIR STATION JACKSONVILLE, FLORIDA	4.Project Title HELO HANGAR REPL (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21105	P312	Auth 88,603 Approp 45,179 Auth for Approp 45,179

Executive Order 13123 and other directives. Included in the project will be the demolition of existing hangars 122 and 123 (19,757 M2) and the provision of vehicle parking for 933 vehicles. Due to the location of the project on a known soil contamination site, provisions for analysis, containment, and disposal of contaminated subsurface materials will be included in the project. Built-in equipment includes a weapons vault.

11.Requirement: 19075m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

This project will construct a single hangar facility with five Type I modules and demolish two WWII-era seaplane Hangars 122 and 123 to accommodate the introduction of new MH-60 R/S aircraft.

(New Mission)

REQUIREMENT:

Adequate maintenance hangar space and aircraft parking apron are required to support fleet helicopter squadrons and aircraft. Four helicopter (HS) squadrons are currently housed in Hangar 123, and one HS squadron and a reserve HS squadron are currently housed in Hangar 124. The Naval Helicopter Transition Team recently approved a plan that would replace five existing active duty SH-60 helicopter squadrons with two CVW R squadrons and one EXP squadron that would operate new MH-60R/S helicopters at NAS Jacksonville. This project is required to provide adequate hangar space to house the new MH-60 R/S squadrons, and also accommodate an existing reserve HS-60 squadron and Integrated Maintenance Program (IMP) space associated with the above requirements. The total projected loading for the MH-60 R/S post-transition period is 58 aircraft and 1206 personnel.

CURRENT SITUATION:

Hangars 122, 123, and 124 are WWII-era seaplane hangars that were constructed in 1941 and have exceeded the end of their useful service lives, and the parking apron between these hangars has failed. The Naval Helicopter Transition Team Concept of Operations (CONOPS) calls for replacement of the existing active duty HS squadrons with new CVW R and EXP squadrons equipped with new MH-60R/S helicopters. Hangars 123 and 124 are not configured to accommodate the new types of squadrons. Additionally, these hangers have significant mechanical, electrical, and structural problems that increase with every year they remain in service. Also, the existing hangars fail to meet current life safety/fire protection standards and are located in close proximity to existing taxiways and taxi lanes in violation of current Federal Aviation Administration (FAA) and Naval

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00207	4.Project Title
NAVAL AIR STATION JACKSONVILLE, FLORIDA	HELO HANGAR REPL (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21105	P312	Auth 88,603 Approp 45,179 Auth for Approp 45,179

Air Systems Command airfield design/safety criteria. Finally, the current inefficient layout of the hangars/ramp space fails to provide adequate vehicular parking for the operational personnel assigned. This project would relocate Naval Aviation Depot from Hangar 122 to Hangar 124, demolish Hangars 122 and 123, and construct a modern, efficient hangar on the site of Hangars 122 and 123 to meet the new MH-60 R/S requirements.

IMPACT IF NOT PROVIDED:
The new MH-60 R/S aircraft will be housed in inadequate hangars that do not meet acceptable standards for continued service, fail to meet current FAA/NAVAIR safety criteria, and generally pose significant aviation and public safety concerns due to their age and condition. The Navy will invest in excess of one billion dollars on new aircraft, but house them in inadequate facilities that have exceeded their economic life, thereby posing unacceptable operational risks involving potential loss of life and/or property damage.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00207	4.Project Title
NAVAL AIR STATION JACKSONVILLE, FLORIDA	HELO HANGAR REPL (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21105	P312	Auth 88,603 Approp 45,179 Auth for Approp 45,179

4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	092007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
IDS (Briefing Rooms)	OPN	2006	$30

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, and location are incompatible with use by other components.

Activity POC: Jim Morgan Phone No: (904)-542-2119

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N60201	4.Command	5.Area Const Cost Index
NAVAL STATION MAYPORT, FLORIDA	Commander Navy Installations	.91

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	1388	11907	513	0	0	0	120	168	0	14096
b. End FY 2011	1233	11132	513	0	0	0	130	180	0	13188

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(3,248 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	360,213
c.	AUTHORIZATION NOT YET IN INVENTORY.....	8,093
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	10,750
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	30,848
g.	REMAINING DEFICIENCY	190,749
h.	**GRAND TOTAL .....**	**600,653**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
17135	EXPAND FLIGHT TRAINER FACILITY	1000 m2	2930	09/2003	03/2006
72111	BEQ HOMEPORT ASHORE	3272 m2	7820	09/2003	04/2006
	TOTAL		10750		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

15220	UPGRADE WHARF B	0 LS	26022
61010	SHIP MAINTENANCE CONSOL	1452 M2	4826
	TOTAL		30848

c.R&M Unfunded Requirement ($000): 49,081

10. Mission or Major Functions:

Mayport is homeport for LAMPS Helicopter Squadrons (SH 60-B Helicopter). Major units homeported at Mayport include one aircraft carrier; cruisers, destroyers and frigates; reserve ships; SIMA; and a fleet training center.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location: N60201 NAVAL STATION MAYPORT, FLORIDA	4.Command Commander Navy Installations	5.Area Const Cost Index .91

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60201	4.Project Title
NAVAL STATION MAYPORT, FLORIDA	BEQ HOMEPORT ASHORE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P773	7,820

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
BEQ HOMEPORT ASHORE (35,220 SF)	m2	3,272		5690
NMCI SERVICE ROOM (344 SF)	m2	32	1,942.00	(60)
BACHELOR ENLISTED QUARTERS (34,875 SF)	m2	3,240	1,537.00	(4980)
BUILT-IN EQUIPMENT	LS			(130)
TECHNICAL OPERATING MANUALS	LS			(40)
INFORMATION SYSTEMS	LS			(80)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
SPECIAL COSTS	LS			(310)
SUPPORTING FACILITIES				1110
ELECTRICAL UTILITIES	LS			(320)
MECHANICAL UTILITIES	LS			(290)
PAVING AND SITE IMPROVEMENTS	LS			(500)
SUBTOTAL				6800
CONTINGENCY (5%)				340
TOTAL CONTRACT COST				7140
SIOH (5.7%)				410
SUBTOTAL				7550
DESIGN/BUILD - DESIGN COST				270
TOTAL REQUEST ROUNDED				7820
TOTAL REQUEST				7820

10.Description of Proposed Construction

Constructs 1+1 (enhanced) style BEQ comprised of 54 modules, each module containing two completely independent sleeping rooms, two walk-in closets, and a bath to be shared by two persons; elevator, fire alarm and automatic sprinkler systems, heating ventilation and air conditioning (HVAC), cabling systems for voice, data, and cable TV hookups in all sleeping rooms.

This project supports the Navy's Homeport Ashore Program to house homeported single sailors on shore in lieu of on board while in port. Currently, when ships return to homeport, sailors must sleep aboard in bunk beds in cramped spaces with dozens of shipmates, and only a small locker to store their personal belongings.

Parking, utilities, and technical operating manuals. The construction of this project will provide antiterrorism force protection/physical security (AT/FP) and emergency cutoff switches for HVAC systems. Sustainable design will be integrated into the design, development, and construction of the project.

Intended Grade Mix: 216 E1-E3
Maximum utilization: 216 E1-E3

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60201	4.Project Title
NAVAL STATION MAYPORT, FLORIDA	BEQ HOMEPORT ASHORE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P773	7,820

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

The project constructs new bachelor enlisted quarters to the Department of Defense 1+1 (enhanced) design standard, and provides parking to support the new bachelor enlisted quarters.

(Current Mission)

REQUIREMENT:

Adequate and efficiently configured facilities are required to provide bachelor housing facilities to accommodate sailors ashore when in homeport. This project supports the Navy's Homeport Ashore Program to house homeported single sailors on shore in lieu of on board while in port. Currently, when ships return to homeport, sailors must sleep aboard in bunk beds in cramped spaces with dozens of shipmates, and only a small locker to store their personal belongings. Naval Station Mayport is homeport to the USS Kennedy aircraft carrier and a mix of frigates, destroyers, and cruisers. Bachelor housing is required to accommodate FY2006 projected deployable E1-E3 personnel.

CURRENT SITUATION:

A new BQ is necessary to correct a total deficit of 216 beds for shipboard sailors.

IMPACT IF NOT PROVIDED:

Without this project, Naval Station Mayport will not be able to house the homeported enlisted personnel that require bachelor housing. Naval Station Mayport will be unable to comply with the Navy's Homeport Ashore Program to house homeported single sailors on shore in lieu of on board while in port. Single sailors will continue to sleep aboard ship in cramped spaces, with only a small locker to store their personal belongings.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60201	4.Project Title
NAVAL STATION MAYPORT, FLORIDA	BEQ HOMEPORT ASHORE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P773	7,820

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$300
(A) Production of Plans and Specifications	$250
(B) All other Design Costs	$50
(C) Total	$300
(D) Contract	$50
(E) In-House	$250
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	082007

B. Equipment associated with this project which will be provided from other appropriations: None

C. FY 2004 R&M Conducted ($000):
D. FY 2005 R&M Conducted ($000):
E. Future R&M Requirements ($000):

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, and location are incompatible with use by other components.

Activity POC: Mike McVann Phone No: 904/270-6730 x137

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60201	4.Project Title
NAVAL STATION MAYPORT, FLORIDA	BEQ HOMEPORT ASHORE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P773	7,820

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60201	4.Project Title
NAVAL STATION MAYPORT, FLORIDA	EXPAND FLIGHT TRAINER FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17135	P185	2,930

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
EXPAND FLIGHT TRAINER FACILITY (10,764 SF)	m2	1,000		2230
OFFICE RENOVATION (484 SF)	m2	45	1,554.00	(70)
TRAINER BAY (10,280 SF)	m2	955	1,925.07	(1840)
BUILT-IN EQUIPMENT	LS			(250)
TECHNICAL OPERATING MANUALS	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
SUPPORTING FACILITIES				320
SPECIAL FOUNDATION FEATURES	LS			(240)
DEMOLITION	LS			(80)
SUBTOTAL				2550
CONTINGENCY (5%)				130
TOTAL CONTRACT COST				2680
SIOH (5.7%)				150
SUBTOTAL				2830
DESIGN/BUILD - DESIGN COST				100
TOTAL REQUEST ROUNDED				2930
TOTAL REQUEST				2930
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(41540)

10.Description of Proposed Construction

This project will renovate a portion of the existing operational trainer facility (Building 1555) and construct an addition to the building to support new training requirements. Construction includes reinforced concrete slab on grade, wall and column footings, prestressed concrete piling, reinforced concrete isolation slab for the trainers, structural steel framing, open web steel joist roof framing, steel decking, insulation and modified bitumen built up roofing, interior and exterior concrete masonary walls, heating ventilation and air conditioning (HVAC), computer room raised flooring, electrical, lighting, technical operating manuals, fire protection (alarm and suppression systems), security system, and minor demolition. Built in equipment will include high pressure hydraulic pumps and distribution sytem for the trainers. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 1000m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

This project renovates existing ancillary spaces and constructs two flight trainer bays, hydraulic and computer rooms as an addition to the Operational Trainer Facility in support of the introduction of the new MH-60R trainer.

(New Mission)

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location/UIC: N60201 NAVAL STATION MAYPORT, FLORIDA		4.Project Title EXPAND FLIGHT TRAINER FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17135	P185	2,930

REQUIREMENT:

Adequate hangar, training, maintenance and personnel support facilities are required to meet production and delivery schedules and to satisfy operational commitments for the MH-60S and MH-60R Helicopters. In the mid-1990s, the Department of the Navy developed an acquisition concept known as the Helicopter Master Plan. The plan's overall strategy is to reduce the number of helicopter airframes in the Navy's inventory from six to two.

Implementation of this plan results in the retirement of the SH-60B, SH-60F, HH-60H, CH-46D, SH-3H, and HH-1N and initiates the Fleet introduction and operation of the MH-60S and MH-60R. To meet an ever-changing military mission and ensure operational readiness, the Atlantic Fleet must replace outdated aircraft models to support new missions and weapons systems.

The introduction of the MH-60S and MH-60R aircraft into the Atlantic Fleet meets the Navy's need to replace and upgrade older airframes with enhanced mission capabilities, including weapons systems. These upgrades provide increased flexibility to meet future threats and mission needs.

At Naval Station Mayport, additional space for flight trainer bays is required to accommodate the installation of two motion-based Operational Flight Trainers for the MH-60R aircraft. Trainers are required to provide pilot and aircrew training for squadrons HSL-40, HSL-42, HSL-44, HSL-46 and HSL-48 upon their transition from the the SH-60B to the MH-60R.

Beginning in fiscal year 2006, the Navy will begin a phased replacement of the SH-60B trainer with the MH-60R for all squadrons. The phased replacement will not be completed until fiscal year 2015. During that time it will be necessary to conduct training concurrently for both the SH-60B and the MH-60R trainers. Additionally, Mayport will provide all SH-60B training for West Coast SH-60B squadrons as the transition from the SH-60B to the MH-60R occurs.

Two new MH-60R flight training devices are under procurement by NAVAIRSYSCOM, with the first trainer scheduled for delivery in FY 2006 to support the introduction of the first aircraft at Mayport. Since the two existing SH-60B trainers must also remain in place, it will be necessary to construct an addition to building 1555 to house the two new trainers. Additional ancillary space requirements in support of the new and existing trainers must be accommodated by the consolidation/renovation of existing spaces within Building 1555.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60201	4.Project Title
NAVAL STATION MAYPORT, FLORIDA	EXPAND FLIGHT TRAINER FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17135	P185	2,930

CURRENT SITUATION:
Building 1555 was constructed in 1985. It is not large enough to permit the installation of additional trainers or equipment.

IMPACT IF NOT PROVIDED:
If the addition is not constructed, the trainers will be delivered with no facility to house them. Simulator training for pilots and aircrew transitioning to the MH-60R will be severely degraded/delayed. Temporary storage will be required for the trainers with the associated risks of damage in handling and storage.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	032006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$240
(A) Production of Plans and Specifications	$200
(B) All other Design Costs	$40
(C) Total	$240
(D) Contract	$40
(E) In-House	$200
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	082007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Flight Trainer One	OPN	2005	$20,770

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60201	4.Project Title
NAVAL STATION MAYPORT, FLORIDA	EXPAND FLIGHT TRAINER FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17135	P185	2,930

Flight Trainer Two	OPN	2007	$20,770

JOINT USE CERTIFICATION:
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.

Activity POC: Mike McVann Phone No: 904/270-6730

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N0610A NAVAL DIVING AND SALVAGE TRAINING CENTER PANAMA CITY, FLORIDA	4.Command Commander Navy Installations	5.Area Const Cost Index .79

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	130	749	1318	0	0	0	35	154	0	2386
b. End FY 2011	142	876	1318	0	0	0	47	178	0	2561

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 30 Sep 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	9,678
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	0
h.	**GRAND TOTAL .....**	**9,678**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
17955	JNT AQUATIC CMBT DVR TRNG	0 LS	9678	09/2003	04/2006
	TOTAL		9678		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

None

c.R&M Unfunded Requirement ($000): 0

10. Mission or Major Functions:

Train officer and enlisted personnel in diving, ship salvage, and submarine rescue.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N0610A NAVAL DIVING AND SALVAGE TRAINING CENTER PANAMA CITY, FLORIDA	4.Command Commander Navy Installations	5.Area Const Cost Index .79

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N0610A	4.Project Title
NAVAL DIVING AND SALVAGE TRAINING CENTER PANAMA CITY, FLORIDA	JOINT AQUATIC COMBAT DIVER TRAINING FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805976N	17955	P315	9,678

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
JOINT AQUATIC COMBAT DIVER TRAINING FACILITY	LS			6370
NMCI SERVICE ROOM (100 SF)	m2	9.29	2,150.00	(20)
APPLIED INSTRUCTION BUILDING (2,745 SF)	m2	255	2,514.00	(640)
TRAINING POOL/TANK	EA	1	3,408,994.00	(3410)
BUILT-IN EQUIPMENT	LS			(2050)
TECHNICAL OPERATING MANUALS	LS			(80)
INFORMATION SYSTEMS	LS			(70)
ANTI-TERRORISM/FORCE PROTECTION	LS			(100)
SUPPORTING FACILITIES				2050
SPECIAL CONSTRUCTION FEATURES	LS			(1090)
ELECTRICAL UTILITIES	LS			(160)
MECHANICAL UTILITIES	LS			(240)
PAVING AND SITE IMPROVEMENTS	LS			(270)
DEMOLITION	LS			(290)
SUBTOTAL				8420
CONTINGENCY (5%)				420
TOTAL CONTRACT COST				8840
SIOH (5.7%)				500
SUBTOTAL				9340
DESIGN/BUILD - DESIGN COST				340
TOTAL REQUEST ROUNDED				9680
TOTAL REQUEST				9678
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2068)

10.Description of Proposed Construction

This project will construct an outdoor Aquatic Combat Training Facility consisting of a 75 foot by 40 foot by 40 foot deep training tank with support facilities for an overhead gantry crane, surface supplied diving stations, 5-ton padeyes, below water viewing stations, mechanical room and chemical storage. Also constructs a steel-framed building with mechanical/electrical room, training support space and storage area. Demolition of free ascent tower, support building and Building 9. Sustainable design will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other directives.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

Construct an underwater training facility for joint use by the Naval Diving and Salvage Training Center (NDSTC), the Naval Experimental Diving Unit (NEDU), and the Navy Special Warfare (SPECWAR) Center Seal Delivery Vehicle Detachment (SDV DET).

(Current Mission)

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N0610A NAVAL DIVING AND SALVAGE TRAINING CENTER PANAMA CITY, FLORIDA	4.Project Title JOINT AQUATIC COMBAT DIVER TRAINING FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805976N	17955	P315	9,678

REQUIREMENT:

This facility is required to train the current and future load of students, conduct underwater ship repair and maintenance training, support emerging ATFP diver training requirements, and to support underwater explosive ordnance disposal diving requirements. NEDU and SDV DET, both located at CSS Panama City, will also utilize the facility for their mission requirements.

The latest security requirements include installing organic dive teams in all surface ships for hull search and security. Other increased diving requirements in support of ATFP missions will also drive additional student through-put. These requirements and the additional Department Of Defense requirements listed below initially double NDSTC's loading and increase steady state loading by 50%. This new Facility is required to enable NDSTC to meet its mission requirements.

Currently the Marine Corps Combatant Diver Course trains on an annual basis 204 to 240 Recon Marines, Amphibious Reconnaissance Corpsman, Air Force Combat Controllers, Air Force Para-Rescue, Naval Special Warfare Dive Locker divers and Marine Recon Dive Locker divers. Class size ranges from 30 to 34 students per class for 6 classes a year. Class size will be increased to 40 per class in order to meet the increase of throughput due to an increase of a total of 452 new Recon diver billets by FY2007 due to ATFP requirements and additional structure of the Recon Community.

With the increase of throughput requirement, the current NDSTC pool cannot support more than one class on the pool deck at any given time. With the approval of the Marine Corps Combatant Diver and Diving Supervisor Courses, Testing and Evaluation of the Underwater Reconnaissance Capability program and the introduction of the Diver Propulsion Devise in FY05, the USMC has an urgent need for the Joint Aquatic Combat Training Facility (JACTF).

In addition to the above-mentioned requirements, MCD provides support and instruction to visiting Marine Recon Units, Army Special Forces, Army Rangers, Air Force CCT, Air Force PJ's, Recon Marines assigned to Ft Benning, GA and USSOCOM in order to support their re-qualification and training needs. This support and instruction encompasses pool Familiarization dives, Submarine Escape Training (when requested) and underwater navigation training area.

With the addition of the Diver Propulsion Devise (DPD) into the Marine Reconnaissance diving program, MCD will be the Subject Matter Experts and will be required to provide instruction to entry level Combatant Divers, the New Equipment Training Team and a

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N0610A NAVAL DIVING AND SALVAGE TRAINING CENTER PANAMA CITY, FLORIDA	4.Project Title JOINT AQUATIC COMBAT DIVER TRAINING FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805976N	17955	P315	9,678

"Train the Trainers" program in order for the deployment of the DPD's at the unit level. This training will require students to dive the DPD in a controlled environment prior to diving the system in open water; the training will also include deployment from a simulated Submarine Escape Trunk, which requires the JACTF to have a Submarine Escape Trunk or lockout system that will closely simulate what the students will encounter in the Fleet. Visiting units can meet their Pre-sail requirements prior to underway-Submarine operations can also use this simulator.

MCD has been contacted by the Air Force Special Operations Command requesting additional seats be made available to them, however MCD cannot support their request due to the increase of Recon Marine and Amphibious Recon Corpsmen billets. Air Force Special Operations Command (AFSOC) is considering adopting the MCD curriculum and considering NDSTC as their site to train entry level divers. The JACTF will be needed to support the additional student throughput.

In response to it's increased Homeland Defense requirements, the Coast Guard requires an increase of their diving program by approx 200% in order to establish 12 Maritime Safety & Security Teams (MSSTs). To maintain the MSSTs at acceptable manning, the USCG will need 17-20 additional student quotas per year at NDSTC. There will be additional increases in coming fiscal years. Currently, the Coast Guard is increasing their student throughput from approximately 15 per year to 45-50 students per year in order to maintain their Fleet and MSST dive teams.

With the anticipated commissioning of EODMU 4 and two Mobile Security Forces (with dive requirements), along with divers needed to get EOD diver manning to acceptable levels and then maintain a steady state, more training tank capacity is needed. Explosive Ordnance Disposal has increased from 150 students yearly to 240 due to manning requirements. In addition to EOD Diver students, approximately 50 Basic Diving Officers, 50 Diving Medical Officers and ever-increasing numbers of First and Second Class divers, in support of fleet EOD and Special Warfare Units, attend a two-week MK 16 course.

CURRENT SITUATION:

The Naval Diving and Salvage Training Center (NDSTC) is tasked to train divers in support of Naval, Joint and Allied Forces. There is not an adequate training facility to support the increasing imminent requirements of NDSTC, Naval Experimental Dive Unit

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location/UIC: N0610A NAVAL DIVING AND SALVAGE TRAINING CENTER PANAMA CITY, FLORIDA		4.Project Title JOINT AQUATIC COMBAT DIVER TRAINING FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805976N	17955	P315	9,678

(NEDU), and SPECWAR Seal Delivery Vehicle (SDV) DET. The current facility is operating beyond its safe student capacity, and imminent increases in student load make this project an urgent requirement.

NDSTC currently simulates underwater ship repair on unrealistic projects in turbid, pier side water. The new facility will also allow realistic training for propeller blade changes, masker belt cleaning, sonar transducer maintenance, and enclosed space diving. An improvement in diver skill levels will provide an estimated 10% reduction in costly on-the-job-training (OJT). This reduction in OJT equates to a cost avoidance of approximately $1.5M annually. Additional cost avoidance is realized by losing fewer ship operating days, lowering the ships daily cost. These costs are directly associated with delays due to untrained dive teams and amount to $1.375M annually.

New requirements and demand for additional trained divers to support joint Department of Defense ATFP and homeland security missions are driving extra student through-put beyond what can safely be accommodated utilizing the existing training tank. To meet the present fleet requirement of 275 with peaks to 300, NDSTC has extended work hours, doubled up classes, overcrowded the pool, altered curriculum, and rearranged class schedules to maximize efficiency and utilize the existing training tank beyond its design capacity. NDSTC was originally designed and constructed to accommodate a maximum student load of 217 at any one time.

The overall increase of student through-put and increase of class size has become a major safety issue due to the lack of adequate training tank space for the required amount of time allotted to train safe, competent divers.

The addition of a 40' training tank is critical to improve the quality of training and provide more realistic training. EOD presently has to utilize the Buddy Breathing Ascent Tower (BBAT) for all MK 16 Rig Emergency and Decompression Procedure training. The BBAT is also scheduled routinely for more than one class at a time due to course schedules and other course requirements. Class size requires more space permitting all students to dive, and provide adequate bottom times. A 40' training pool will allow more realistic training on diving procedures utilized by EOD. Diving out of a MK 5 boat and deploying divers in silent water procedures will prepare EOD and Basic Diving Officers for follow on training at EOD School. The minimum depth of 33' is required for the MK 16 to perform as designed. Additionally, when training on deployment of the Emergency Breathing System, adequate depth and deployment from MK 5 boats provide training that is realistic to fleet procedures for both topside and underwater.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N0610A	4.Project Title
NAVAL DIVING AND SALVAGE TRAINING CENTER PANAMA CITY, FLORIDA	JOINT AQUATIC COMBAT DIVER TRAINING FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805976N	17955	P315	9,678

NEDU's biomedical RDT&E tasking has significantly increased since it has consolidated with the Navy Medical Research Institute (NMRI) in 1999. This has increased demands for studies using NEDU's Ocean Simulation Facility (OSF). Consequently, NEDU has had to delay evaluation of new diving equipment for EOD and SPECWAR, or contract additional facilities at considerable additional cost.

The SDV DET currently instructs all training in open water. Introductory SDV training in a controlled environment is more desirable. New operators could acquire depth control skills prior to attempting open water maneuvers and reduce risk of SDV damage and injury to personnel.

IMPACT IF NOT PROVIDED:
NDSTC will not be able to safely train the increased number of students in relevant projects that will ultimately support the ATFP missions or underwater ship repair. Diver manning levels in EOD and fleet units will remain unacceptable low. NEDU faces extensive delays in RDT&E, contracting other facilities at high cost, or cancellation of projects. Without a controlled environment, initial trim and ballast training for operation of the SDV will continue to be conducted in open water putting personnel and equipment at risk.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$346
(A) Production of Plans and Specifications	$266
(B) All other Design Costs	$80
(C) Total	$346
(D) Contract	$80
(E) In-House	$266

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N0610A	4.Project Title
NAVAL DIVING AND SALVAGE TRAINING CENTER PANAMA CITY, FLORIDA	JOINT AQUATIC COMBAT DIVER TRAINING FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805976N	17955	P315	9,678

4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	082007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Encl Ballast Tnk & Mskr Belt Cleaning	OMN	2007	$140
Control. Pitch Prop & Sonar Transducer	OMN	2007	$175
SS Test Platform (Moveable)	OPN	2007	$156
Current Generator & Port. Dat. Acq Unit	OPN	2007	$296
Loose Furnishings & Main Eqpt	OMN	2007	$391
FADS III Control & Vol Tk Assy	OPN	2007	$160
Gantry crane	OPN	2007	$750

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.

Activity POC: Leslie Lugo Phone No: 850-235-5570

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N00204	4.Command	5.Area Const Cost Index
NAVAL AIR STATION PENSACOLA, FLORIDA	Commander Navy Installations	.87

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	1479	3166	1279	0	5522	0	540	1037	0	13023
b. End FY 2011	1572	3143	1279	0	5580	0	752	1037	0	13363

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(8,586 Acres).....	
b.	INVENTORY AS OF 30 Sep 2004	671,238
c.	AUTHORIZATION NOT YET IN INVENTORY.....	3,660
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	8,710
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	23,020
f.	PLANNED IN NEXT THREE PROGRAM YEARS	74,230
g.	REMAINING DEFICIENCY	161,500
h.	**GRAND TOTAL .....**	**942,358**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
*83120	WASTE WATER PLANT RECAPITALIZATION	0 LS	8710	12/2003	03/2006
	TOTAL		8710		

9. Future Projects:

a.Included In The Following Program:

72114	"A" SCHOOL BEQ RECAP(NTTC)	10992.3 M2	23020
	TOTAL		23020

b.Major Planned Next Three Years:

15120	PIER 302 RECAPITALIZATION	3616 M2	7628
21105	SHERMAN FLD HGR RECAP PH I	4060 M2	21519
72111	BEQ RECAPITALIZATION	15656 M2	32206
72114	BEQ "A" SCHOOL REPL (NTTC)	10818 M2	12877
	TOTAL		74230

c.R&M Unfunded Requirement ($000): 201,068

10. Mission or Major Functions:

Provide superior training support and a quality environment to tenants, military and civilian personnel and their families. Department of Defense related tenant commands number over 90 and include the Chief of Naval Education and Training, Commander Training Air Wing SIX, Naval Aviation Schools Command, Naval Air Technical Training Center (NATTC), Naval Operational Medical Institute, Navy Public Works Center and the Blue Angels located onboard NAS Pensacola. Naval Education and Training Professional Development and Training Center, Saufley Field and Center for Cryptology Corry Station

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location: N00204 NAVAL AIR STATION PENSACOLA, FLORIDA	4.Command Commander Navy Installations	5.Area Const Cost Index .87

are tenants not located onboard NAS Pensacola. Support is also provided to 27 non-defense related agencies located on Navy property including the National Park Service, U.S. Coast Guard Station, Barrancas National Cemetery (Veterans Administration), and the National Museum of Naval Aviation.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 8710

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00204	4.Project Title
NAVAL AIR STATION PENSACOLA, FLORIDA	WATER TREATMENT FAC RECAP

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203576N	83120	P736	8,710

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
WATER TREATMENT FAC RECAP	LS			7070
REUSE-WATER LAND APPLICATION	ha	32.4	23,148.00	(750)
REUSE-WATER OUTLYING STORAGE	ML	8.74	194,003.43	(1700)
REUSE-WATER TRANSMISSION	kD	9,152.13	156.31	(1430)
SITE UPGRADES FOR REUSE-WATER STORAGE	ha	3.36	255,063.11	(860)
WASTE WATER PLANT MODIFICATIONS	LS			(360)
BUILT-IN EQUIPMENT	LS			(1840)
TECHNICAL OPERATING MANUALS	LS			(130)
ANTI-TERRORISM/FORCE PROTECTION	LS			()
SUPPORTING FACILITIES				510
ELECTRICAL UTILITIES	LS			(510)
SUBTOTAL				7580
CONTINGENCY (5%)				380
TOTAL CONTRACT COST				7960
SIOH (5.7%)				450
SUBTOTAL				8410
DESIGN/BUILD - DESIGN COST				300
TOTAL REQUEST ROUNDED				8710
TOTAL REQUEST				8710

10.Description of Proposed Construction

This project will include improvements/modifications to the existing Wastewater Treatment Plant (WWTP) which includes raising the filtration, disinfection and monitoring capabilities to meet water quality limits for effluent reuse. Modifications include modifying the existing chlorine disinfection system to a redundant uninterrupted Ultraviolet (UV) disinfection system, providing additional yard piping and modifying the WWTP's SCADA system. The existing polishing pond at the WWTP will be converted to a lined reject storage pond and a lined reuse storage pond. The existing phenol pond at the WWTP will be converted to a lined reuse storage pond. A new 2 million gallon reuse storage tank will be constructed in a centralized location to store and convey reuse water to land application areas that are not proximate to the WWTP. New pumping stations will be provided to convey wastewater through the modifications and improvements at the WWTP, to the new effluent storage ponds, to the rejected holding pond, to the centrally located reuse storage tank, to the golf course's irrigation source lake and to each of the land application systems. The abandoned 12" effluent reuse transmission main to the golf course will be replaced and extended. Land application of the effluent will be provided through new land application systems and modifying existing irrigation systems to utilize effluent reuse. Effluent reuse land application areas include Magazine Point, the Barrancas National Cemetery, the Naval Air Technical Training Center (NATTC) Complex, and the NAS Pensacola Golf Course. New land

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location/UIC: N00204 NAVAL AIR STATION PENSACOLA, FLORIDA		4.Project Title WATER TREATMENT FAC RECAP

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203576N	83120	P736	8,710

application systems include pump stations, effluent reuse transmission lines, sprinkler distribution piping, sprinkler heads, ground water monitoring wells, metering, monitoring, controls and other electrical work. Modifications to existing land application systems to utilize effluent reuse include pump stations, reuse transmission lines, metering, monitoring, ground water monitoring wells, electrical work, as well as minor modifications to the sprinkler distribution piping, controls, and sprinkler head coverage to provide a complete and usable land application system that conforms to applicable environmental regulations. The three existing groundwater irrigation wells at NATTC will be closed in accordance with applicable environmental regulations.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

This project improves the filtration, disinfection and monitoring capabilities of the Wastewater Treatment Plant (WWTP) to meet water quality limits for effluent reuse and provides systems to allow for the land application of the WWTP's effluent in order to eliminate surface water discharge per Consent Order between the Florida Department of Environmental Protection and the Navy Public Works Center.

(Current Mission)

REQUIREMENT:

Adequate facilities are required to enable the Navy to comply with Florida Department of Environment Protection (FDEP) regualtions regarding the land application of reclaimed water from WWTPs.

The Navy entered into a consent agreement with FDEP on May 6, 2003. This consent agreement requires the Navy to come into full compliance with FDEP rules to include implementation of effluent reuse on land, eliminating surface water discharge into the bay by 2007.

NAS Pensacola currently operates a 2.35 million gallons per day (MGD) WWTP. The plant was first placed in service in the late 1940s. Currently, the plant has an average flow of approximately 1.9 MGD and the effluent is discharged directly to Pensacola Bay. Throughout its history, the WWTP has been modified to accommodate different treatment requirements, as the functions of NAS Pensacola have evolved.

The current method of disinfection employs the use of sodium hypochlorate accompanied by

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location/UIC: N00204 NAVAL AIR STATION PENSACOLA, FLORIDA		4.Project Title WATER TREATMENT FAC RECAP

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203576N	83120	P736	8,710

the use of sodium bisulfite for declorination.

CURRENT SITUATION:

The existing operation of the treatment plant is plagued by several problems, resulting in the routine violation of the FDEP operating permit. Those problems involve the ability of the plant to produce an effluent that has been chlorinated and then dechlorinated in accordance with the FDEP permit requirements. Examination of system operation revealed that three distinct problems contribute to the improper performance. Those problems are the vapor locking of the chlorination pumps, a built-in delay in the response of the bleach feed system, and an inappropriate configuration in the chlorine contact chamber. In its current state of operation, it is extremely difficult to maintain permitted requirements for chlorination and dechlorination. This has resulted in excursions and subsequent concerns on the part of the Florida Department of Environmental Protection (FDEP). Specifically, the WWTP has consistently exceeded the permitted limits for Total Recoverable Copper, Total Recoverable Zinc, Total Residual Chlorine for disinfection, and Total Residual Chlorine for dechlorination, during the time period from April 2000 to April 2001. The WWTP effluent violations resulted in the Navy receiving a warning letter (Warning Letter # NWDW 17-1382) from FDEP on June 20, 2001. The WWTP continued to exceed effluent limits for Total Recoverable Copper, Total Recoverable Zinc, Total Residual Chlorine for disinfection, and Total Residual Chlorine for dechlorination after the date of the warning letter. Subsequently, the Navy entered into a consent agreement with FDEP on May 6, 2003 in order to avoid a notice of violation and possible WWTP shutdown. This consent agreement requires the Navy to come into full compliance with FDEP rules to include implementation of effluent reuse on land thus eliminating surface water discharge into the bay. As a result of the consent agreement, FDEP has increased the Navy's allowable limits for Total Recoverable Copper, Total Recoverable Zinc, Total Residual Chlorine for disinfection, and Total Residual Chlorine for dechlorination until December 2007. At this time the WWTP reuse project must be implemented. In addition, the current state of operation produces a surface water discharge to the Pensacola Bay that is undesirable.

IMPACT IF NOT PROVIDED:

The existing operational problems will continue to exist. The treatment plant problems will continue to result in routine violation of the FDEP operating permit. If this project is not funded violations of the FDEP operating permit will continue and after year 2007 there will be a $10,000 per day fine incurred by the base.

12.Supplemental Data:

A. Estimated Design

1. Status:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00204	4.Project Title
NAVAL AIR STATION PENSACOLA, FLORIDA	WATER TREATMENT FAC RECAP

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203576N	83120	P736	8,710

(A) Date Design or Parametric Cost Estimate Started	122003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	032006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(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:	na
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$240
(A) Production of Plans and Specifications	$200
(B) All other Design Costs	$40
(C) Total	$240
(D) Contract	$40
(E) In-House	$200
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	082007

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. 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: Perry Johnson Lead Engineer Phone No: 850-452-4515 X386 DSN 922

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N68733 STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA	4.Command Commander Navy Installations	5.Area Const Cost Index .99

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	470	4433	1711	0	128	0	101	399	0	7242
b. End FY 2011	441	4217	1711	0	128	0	101	399	0	6997

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	27,510
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	3,000
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,800
f.	PLANNED IN NEXT THREE PROGRAM YEARS	59,405
g.	REMAINING DEFICIENCY	114,522
h.	**GRAND TOTAL .....**	**225,237**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
81110	U&SI/WTRFRNT SEC EMER GEN	0 LS	3000	09/2003	09/2005
	TOTAL		3000		

9. Future Projects:

a.Included In The Following Program:

14347	REACTION FORCE FAC AUX SUPP COMPLEX	3780 m2	14140
14347	WATERFRONT SECURITY FORCE FACILITY	1300 m2	6660
	TOTAL		20800

b.Major Planned Next Three Years:

21420	HMMWV SUPPORT FACILITIES	750 M2	3520
21650	LTD AREA PROD/STG CPLX ADD	38000 M2	55885
	TOTAL		59405

c.R&M Unfunded Requirement ($000): 1,854

10. Mission or Major Functions:

Provide support on east coast for the operational TRIDENT system of submarines and long range missiles, including processing capability for assembly and disassembly of both explosive and non-explosive components of the TRIDENT II (D-5) missile.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N68733 STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA	4.Command Commander Navy Installations	5.Area Const Cost Index .99

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N68733	4.Project Title
STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA	U&SI AND WATERFRONT SECURITY EMERGENCY GENERATOR

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212476N	81110	P586	3,000

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
U&SI AND WATERFRONT SECURITY EMERGENCY GENERATOR	LS			2260
GENERATOR BUILDING WITH BALLISTIC HARDENING (4,219 SF)	m2	392	1,811.73	(710)
1250 KVA GENERATOR WITH SWITCHGEAR	EA	2	756,953.49	(1510)
TECHNICAL OPERATING MANUALS	LS			(40)
SUPPORTING FACILITIES				440
ELECTRICAL UTILITIES	LS			(300)
MECHANICAL UTILITIES	LS			(20)
PAVING AND SITE IMPROVEMENTS	LS			(120)
SUBTOTAL				2700
CONTINGENCY (5%)				140
TOTAL CONTRACT COST				2840
SIOH (5.7%)				160
SUBTOTAL				3000
TOTAL REQUEST ROUNDED				3000
TOTAL REQUEST				3000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(30)

10.Description of Proposed Construction

This project provides emergency backup power and associated utility system and site improvements for security of the Kings Bay Restricted Waterfront Area (RWA). A bullet resistant structure will be constructed to house a 1,250 KW emergency generator and a 1,250 KW backup emergency generator, and a climate controlled space for all required switchgear and Generator controls. The project will include a walled courtyard, engine mufflers, cooling system, and emergency fuel storage on pile foundation. Distribution of emergency power will be by underground feeders with secure manholes and bullet resistant above ground structures. Site improvements include an aggregate surface access roadway, paved parking and fuel loading areas, and stormwater drainage features. Sustainable design will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other directives.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

This project constructs a hardened, secure, emergency power source and distribution system at the Submarine Base Kings Bay Restricted Waterfront Area (RWA).

(Current Mission)

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N68733	4.Project Title
STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA	U&SI AND WATERFRONT SECURITY EMERGENCY GENERATOR

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212476N	81110	P586	3,000

REQUIREMENT:

Chief of Naval Operations Instruction (OPNAVINST) 5530.14C, Change 2 establishes SUBASE Kings Bay, GA and SUBASE Bangor, WA as the Navy's highest priority for the security of waterfront assets. 5530.14C requires a secure emergency power source to be located within the restricted area. DoD C5210.41-M requires the secure emergency power source to have 100% backup. Adequate emergency power is rrequired for Waterfront Reaction Force Facilities and RWA security lighting, security sensors, and control/reporting systems.

CURRENT SITUATION:

Strategic and waterfront security requirements are not met. The existing Public Utility Power and Kings Bay Backup Power sources do not provide secure emergency power in accordance with OPNAVINST 5530.14C and DoD C5210.41-M.

IMPACT IF NOT PROVIDED:

The requirements of OPNAVINST 5530.14C and DoD C5210.41-M will not be satisfied. The Submarine Base Kings Bay Restricted Waterfront Area will remain at increased risk.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	012005
(C) Date Design Completed	092005
(D) Percent Completed as of SEPTEMBER 2004	2%
(E) Percent Completed as of JANUARY 2005	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) :	$230
(A) Production of Plans and Specifications	$170
(B) All other Design Costs	$60
(C) Total	$230
(D) Contract	$140
(E) In-House	$90

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N68733	4.Project Title
STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA	U&SI AND WATERFRONT SECURITY EMERGENCY GENERATOR

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212476N	81110	P586	3,000

4. Contract Award	112005
5. Construction Start	122005
6. Construction Complete	042007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrusion Detection System	OPN	2006	$30

JOINT USE CERTIFICATION:

The Installation Management Claimant 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: Darryl Devnich Phone No: 202/764-1558

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N68733 STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA	4.Project Title U&SI AND WATERFRONT SECURITY EMERGENCY GENERATOR

5.Program Element 0212476N	6.Category Code 81110	7.Project Number P586	8.Project Cost ($000) 3,000

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M00318	4.Command	5.Area Const Cost Index
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	Commandant of the Marine Corps	1.75

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	398	2321	407	0	0	0	0	0	0	3126
b. End FY 2011	372	2175	407	0	0	0	0	0	0	2954

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(4,218 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	511,382
c.	AUTHORIZATION NOT YET IN INVENTORY.....	34,117
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	5,700
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	87,982
g.	REMAINING DEFICIENCY	382,033
h.	**GRAND TOTAL .....**	**1,021,214**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
73010	CAMP SMITH FIRE STATION	662.07 m2	5700	09/2003	04/2006
	TOTAL		5700		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

15964	WATERFRONT OPS FACS	2077 M2	10076
72111	BACHELOR ENLISTED QUARTERS	0 LS	26152
73080	PARKING STRUCTURE	10500 M2	14368
74043	PHYSICAL FITNESS CENTER	2188 M2	11386
72111	BACHELOR ENLISTED QUARTERS	0 LS	23000
84520	EFFLUENT IRRIGATION SYSTEM	0 LS	3000
	TOTAL		87982

c.R&M Unfunded Requirement ($000): 87,660

10. Mission or Major Functions:

To maintain and operate facilities and provide services and material to support operations of tenant Marine and Navy units and other activities and units designated by the Commandant of the Marine Corps.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: M00318 MARINE CORPS BASE HAWAII KANEOHE, HAWAII	4.Command Commandant of the Marine Corps	5.Area Const Cost Index 1.75

To provide aviation support for Headquarters, Fleet Marine Force, Pacific.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00318	4.Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	CAMP SMITH FIRE STATION

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	73010	P817	5,700

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
CAMP SMITH FIRE STATION (7,126 SF)	m2	662.07		2300
CAMP SMITH FIRE STATION (7,126 SF)	m2	662.07	3,236.66	(2140)
BUILT-IN EQUIPMENT	LS			(30)
TECHNICAL OPERATING MANUALS	LS			(20)
INFORMATION SYSTEMS	LS			(40)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
SUPPORTING FACILITIES				2630
SPECIAL FOUNDATION FEATURES	LS			(360)
ELECTRICAL UTILITIES	LS			(260)
MECHANICAL UTILITIES	LS			(170)
PAVING AND SITE IMPROVEMENTS	LS			(1110)
DEMOLITION	LS			(730)
SUBTOTAL				4930
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5180
SIOH (6.2%)				320
SUBTOTAL				5500
DESIGN/BUILD - DESIGN COST				200
TOTAL REQUEST ROUNDED				5700
TOTAL REQUEST				5700

10.Description of Proposed Construction

Construct a one-story permanent Fire Station of reinforced concrete masonry construction on concrete foundations with clay tile roofing and steel roof truss to accommodate a one engine company satellite fire station. The living space of the fire station consists of laundry, kitchen, dayroom, training room, restrooms, an showers. The operational areas include the alarm/computer room, fire fighting agent storage, emergency generator room, general storage, and electrical and mechanical Rooms. Built-in equipment includes emergency generator and air vac system for the apparatus room. Mechanical systems include air conditioning, ventilation, air vac exhaust systems, and shop compressed air systems. Fire protection systems include automatic fire sprinkler systems and fire alarm systems. Electrical systems include an emergency generator, public announcement and communication information systems, power, and lighting. Site and paving improvements include paved parking, concrete wash down area and sidewalks. Site work for the project includes earthwork, grading, excavation, irrigation, and landscaping. Alterations to existing roadways will also be required to provide adequate access for the fire trucks and access to the trash enclosure. This project includes demolition of two deteriorated and inadequate wooden buildings (31A (617 square meters) and 32 (1958 square meters) for a total of 2676 square meters. Sustainable design features will be included in the design, development, and construction of this project in accordance with Executive Order

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00318	4.Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	CAMP SMITH FIRE STATION

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	73010	P817	5,700

13123 and other laws and and executive orders.

11.Requirement: 662 **Adequate:** **Substandard:**

PROJECT:

This project constructs a new Fire Station at Camp H. M. Smith to provide MARFORPAC, PACOM, and other tenant commands with adequate fire fighting services. This project will provide the Federal Fire Department (FFD) with an adequate facility for FFD personnel assigned to protect Camp Smith.

(Current Mission)

REQUIREMENT:

The new Fire Station is necessary to support services required to protect high value operational assets of the Pacific Command (PACOM), Marine Forces Pacific (MARFORPAC), Special Operations Command Pacific (SOCPAC), and other tenant commands at MCBH Camp H. M. Smith.

CURRENT SITUATION:

A temporary Fire Station has been established at Camp Smith. Minimal upgrades were performed on the former auto-hobby shop to convert it to a Fire Station. The facility is grossly undersized. In addition, the existing station must utilize an older (1988 model), smaller fire engine which was taken out of retirement because it is the only one that will fit into the existing facility. In addition, the temporary station lacks adequate space for an alarm communications center, training facilities, technical library, administrative space, lockers, storage, and an entire apparatus (fire engine) bay. In addition, the spaces for the restrooms/showers, dining area, apparatus bay, maintenance, repair, storage and support areas are undersized. The existing facility is a metal frame structure with metal siding and roof. Major repairs of this facility will be necessary in the near future to keep the building in a working condition. The roadway leading up to the main portion of the Camp from the temporary station is extremely narrow and will require widening to provide adequate access for the fire engine. No outdoor storage or washdown area is provided.

IMPACT IF NOT PROVIDED:

Camp Smith will continue to be supported by an inadequate Fire Station. The temporary station will need major repairs the near future which will represent a drain on limited maintenance and repair funding. In addition, the temporary station will require major expansion and renovation to support the new fire fighting equipment as it is replaced. Federal Fire personnel will continue to work in an undersized and inadequate facility.

12.Supplemental Data:

A. Estimated Design

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00318	4.Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	CAMP SMITH FIRE STATION

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	73010	P817	5,700

1. Status:	
(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$240
(A) Production of Plans and Specifications	$200
(B) All other Design Costs	$40
(C) Total	$240
(D) Contract	$40
(E) In-House	$200
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	052006

B. Equipment associated with this project which will be provided from other appropriations: None

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 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: Steve Tome Phone No: 808-257-2171

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00318	4.Project Title
MARINE CORPS BASE HAWAII KANEOHE, HAWAII	CAMP SMITH FIRE STATION

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	73010	P817	5,700

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N00038 COMMANDER IN CHIEF US PACIFIC COMMAND PEARL HARBOR, HAWAII	4.Command Commander Navy Installations	5.Area Const Cost Index 1.66

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	1630	10025	7224	0	0	0	282	362	0	19523
b. End FY 2011	1539	9354	7231	0	0	0	282	362	0	18768

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 30 Sep 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	29,700
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	23,879
h.	**GRAND TOTAL .....**	**53,579**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
17120	PACIFIC WARFIGHTING CENTER	5983 m2	29700	08/2003	09/2005
	TOTAL		29700		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

None

c.R&M Unfunded Requirement ($000): 0

10. Mission or Major Functions:

Ready today and preparing for tomorrow, the U.S. Pacific Command enhances security and promotes peaceful development in the Asia-Pacific region by deterring aggression, responding to crises and fighting to win. PACCOM supports and advances the national policies and interests of the United States in the Pacific while preparing plans, conducting operations, and coordinating activities of the Pacific Command forces. PACCOM is a joint command that is responsible for over 50 percent of the earth's surface including 40 countries, 20 territories and possessions, and 10 U.S. territories.

SOCPAC, as a PACCOM subordinate unified command, conducts joint/combined special

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location: N00038 COMMANDER IN CHIEF US PACIFIC COMMAND PEARL HARBOR, HAWAII	4.Command Commander Navy Installations	5.Area Const Cost Index 1.66

operations and exercises operational control over those in-theater and apportioned Special Operations Forces assigned by PACCOM.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00038	4.Project Title
COMMANDER IN CHIEF US PACIFIC COMMAND PEARL HARBOR, HAWAII	PACIFIC WARFIGHTING CENTER

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17120	P113	29,700

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
PACIFIC WARFIGHTING CENTER (64,400 SF)	m2	5,983		20230
PACIFIC WARFIGHTING CENTER (64,400 SF)	m2	5,983	2,620.90	(15680)
BUILT-IN EQUIPMENT	LS			(2030)
TECHNICAL OPERATING MANUALS	LS			(130)
INFORMATION SYSTEMS	LS			(2140)
ANTI-TERRORISM/FORCE PROTECTION	LS			(250)
SUPPORTING FACILITIES				6410
SPECIAL CONSTRUCTION FEATURES	LS			(1530)
MECHANICAL UTITITIES	LS			(190)
ELECTRICAL UTILITIES	LS			(960)
PAVING AND SITE IMPROVEMENTS	LS			(3710)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
SUBTOTAL				26640
CONTINGENCY (5%)				1330
TOTAL CONTRACT COST				27970
SIOH (6.2%)				1730
SUBTOTAL				29700
TOTAL REQUEST ROUNDED				29700
TOTAL REQUEST				29700
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(23360)

10.Description of Proposed Construction

Construct a two-story building. The applied instruction facility will include a large briefing room, individual training/conference rooms, two Joint Exercise Control Group (JECG) areas, a Standing Joint Force Headquarters (SJFHQ) Operations/Training area, a Joint Task Force (JTF) Mission Rehearsal Room, a Temporary Secure Working Area (TSWA), an After Action Review (AAR) work area, a video teleconferencing (VTC) room, technical control room, master media control room, telecommunications rooms, break area, computer room, Joint Experimentation laboratory, a multi-media studio, equipment storage area, restrooms, and utility rooms. The administrative offices will house 136 permanent party and contractor personnel and includes space for a directorate conference room, Information Technology (IT) rooms, senior mentor office space, restrooms, and utility rooms.

The proposed building will have classified and unclassified local area network (LAN) systems; secure and non-secure telephone systems and VTC networks; cable television (CATV); raised flooring for the Information Technology (IT) rooms, the JECGs, the TSWA, the technical control room, the telecommunications rooms, the joint experimentation lab, and the master media control room; air conditioning; uninterruptible power supply (UPS) to critical areas; emergency generator; and electrical and civil (water/sewer). Built-

in equipment includes theater seating, elevator, security system, raised flooring, and UPS.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 5983m2 **Adequate:** m2 **Substandard:** m2

PROJECT:

This project constructs a new Pacific Warfighting Center for Training, Analysis, Simulation, Conferences, and Decision Support in USPACOM.

(Current Mission)

REQUIREMENT:

A dedicated, state-of-the-art operations, training, conference, and administrative facility is required to correct USPACOM's current shortfall in the capability to develop and implement transformational training concepts and infrastructure to prepare US forces for effects-based operations of the future.

SUMMARY OF PACIFIC WARFIGHTING CENTER CAPABILITIES:

Annually support -

· Stand-alone simulation for 4 to 6 Tier I (Combatant Command), Tier II (Joint Task Force), and Tier III (Component Command) computer-aided, joint/combined CPXs

· Standing Joint Force Headquarters recurring operations and training events and overflow operational spaces during real-world crisis action deployments

· No-notice and short-notice JTF mission rehearsal activities

· 3 to 4 deliberate OPLAN and rapid ad-hoc crisis analysis projects

· 8 to 12 deliberate war plan forces, logistics, and transportation deployment data conferences

· 5 to 7 mid to high-level seminar games

· USPACOM node to analyze open source information through the Virtual Information Center

· INTERNET-based Theater Security Cooperation portal via the Asia Pacific Area Network

· Secure location for USPACOM and Component staff training, and for joint, interagency, and multinational conferences

· Dynamic, capabilities-based learning environment for the full spectrum of joint, interagency, and multinational operations

PWC will fill an immediate need for an Asia-Pacific regional training, operations, analysis, and simulation facility to serve as the key node in the Asia-Pacific Theater

on DoD's global network of Live, Virtual, and Constructive training enablers that create the Joint National Training Capability. Accordingly, PWC will be on par, fully integrated with, and extend the capability of JFCOM's Joint Training Analysis and Simulation Center (JTASC) and EUCOM's Warrior Preparation Center. Throughout the region, PWC will link with current and future simulation centers, including the Korean Battle and Air Simulation Centers, I Corps' Battle Simulations Center, and III MEF's Tactical Exercise facility.

J08's functional requirements to execute assigned missions beyond FY06 will continue to increase. In particular, USPACOM's Joint Training Program priorities for FY05 to FY09 include 22 exercises annually. Yet, J08's existing administrative and applied instruction spaces at Camp Smith cannot meet projected functional requirements. Nor can USPACOM develop and implement transformational training concepts and infrastructure to prepare US forces for effects-based operations of the future. Therefore, a new warfighting center for training, analysis, simulation, mission rehearsal, conferences, and decision support in USPACOM is required.

CURRENT SITUATION:

USPACOM's current facilities for support of the Joint/Combined Training Program are inadequate, antiquated, and deteriorating.

In spring 1999, the Deputy Commander, USPACOM implemented a plan to steadily increase J08's capabilities through FY03 to create a world class warfighting, analysis, and decision support center that supports and executes USPACOM's security cooperation, crisis response, and warfighting missions, thus meeting the rapidly expanding requirements of the Commander, USPACOM, Component and Subordinate Unified Commanders, and associated staffs.

J08 currently occupies space in 3 buildings at Camp Smith for a total of 1,108 m2. The Director and staff work in 3 rooms on the 3rd floor of Building 2C (86m2), the Knowledge Enterprise and Technology Center uses 2 rooms in Building 4, the Decision Support Division uses 2 rooms in Building 4, the Research and Analysis Division uses one room in the basement of Building 5, and the Exercise Simulation Division occupies the rest of the basement and the first floor of Building 5. Buildings 2C, 4, and 5 are reinforced concrete buildings constructed in 1942 and were originally part of the hospital.

Because Building 5 facility was considered marginally adequate in 1998, J08's Exercise and Seminar Gaming activities were not included in the scope of MILCON Project P-112, US Pacific Command Headquarters. Instead, only the J08 Director, director staff, and the Research and Analysis Division were included in P-112's functional requirements. After the new USPACOM headquarters (P-112) design was well underway, J08 was assigned three new missions: Joint Task Force (JTF) mission rehearsal, command open source information exploitation, and the PACOM learning environment. Moreover, three more new J08 missions

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00038	4.Project Title
COMMANDER IN CHIEF US PACIFIC COMMAND PEARL HARBOR, HAWAII	PACIFIC WARFIGHTING CENTER

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17120	P113	29,700

were identified after P-112 construction had begun: SJFHQ operations and training spaces, a secure location for Joint, Interagency, and Multinational conferences, and forces, logistics, and transportation support for deliberate war plans.

From summer 1999 to present, there was a dramatic rise in requirements from the Commander, USPACOM, Component and Subordinate Unified Commanders, and associated staffs for analysis and decision support; exercise simulation and mission rehearsal; command open source information exploitation; deliberate war planning force-flow development and course of action war gaming events; training on current and emerging command and control systems and applications; and dynamic, capabilities-based learning products and media. Requirements for simulation-supported exercises alone increased 333% from 1997 to 2001. These increasing requirements resulted in greater requirements for analysis, decision support, simulation, and conference support. To meet increasing facility requirements, USPACOM continues to implement marginal workarounds.

IMPACT IF NOT PROVIDED:

Increasing analysis, decision support, and exercise activity; complexities; and C4I modernization have outgrown USPACOM's facility infrastructure and support capabilities. These deficiencies reduce our ability to train USPACOM JTF and Component Commanders and staffs in crisis action readiness procedures; degrade our ability to improve combined interoperability; contribute to increased OPTEMPO, training time, and associated costs for USPACOM forces prior to responding to contingencies; and reduce our ability to conduct effective forward focused training events.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	082003
(B) Date 35% Design or Parametric Cost Estimate Complete	012005
(C) Date Design Completed	092005
(D) Percent Completed as of SEPTEMBER 2004	20%
(E) Percent Completed as of JANUARY 2005	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

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00038	4.Project Title
COMMANDER IN CHIEF US PACIFIC COMMAND PEARL HARBOR, HAWAII	PACIFIC WARFIGHTING CENTER

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17120	P113	29,700

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$2,132
(A) Production of Plans and Specifications	$1,599
(B) All other Design Costs	$533
(C) Total	$2,132
(D) Contract	$1,333
(E) In-House	$799
4. Contract Award	122005
5. Construction Start	012006
6. Construction Complete	082007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrusion Detection System (IDS)	OPN	2006	$1,040
C41 Systems	OPN	2005	$1,970
C41-a Systems	OPN	2006	$12,980
C41-b Systems	OPN	2007	$7,370

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.

Activity POC: Glenn Miyashiro Phone No: (808)473-3196

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00038	4.Project Title
COMMANDER IN CHIEF US PACIFIC COMMAND PEARL HARBOR, HAWAII	PACIFIC WARFIGHTING CENTER

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17120	P113	29,700

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N00210	4.Command	5.Area Const Cost Index
NAVAL STATION GREAT LAKES, ILLINOIS	Commander Navy Installations	1.27

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	560	3907	1031	0	5294	0	756	1635	0	13183
b. End FY 2011	624	4118	1031	0	6971	0	756	1635	0	15135

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	256,045
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	121,900
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	125,069
f.	PLANNED IN NEXT THREE PROGRAM YEARS	126,260
g.	REMAINING DEFICIENCY	205,959
h.	**GRAND TOTAL .....**	**835,233**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
17140	RTC DRILL HALL RPL	6389 m2	16610	09/2003	04/2006
72115	RTC BARRACKS	16401.68 m	33840	08/2003	04/2006
72115	RTC BARRACKS	17733.31 m	38720	08/2003	04/2006
85110	RTC INFRASTRUCTURE UPGRADE I	2463.36 m2	32730	08/2003	04/2006
	TOTAL		121900		

9. Future Projects:

a.Included In The Following Program:

72115	RTC BARRACKS	16401.68 M	31729
72115	RTC BARRACKS	19712.63 M	47490
85110	RTC INFRASTRUCTURE UPGRADE II	2463.36 M2	45850
	TOTAL		125069

b.Major Planned Next Three Years:

72114	BEQ "A" SCHOOL REPLACEMENT	15624 M2	36474
73010	FIRE STATION REPLACEMENT	9520 SF	5855
72114	BEQ "A" SCHOOL REPLACEMENT	17075 M2	35869
72114	BEQ "A" SCHOOL REPLACEMENT	17075 M2	35899
72210	CORPS SCHOOL GALLEY	1849 M2	10034
85120	BRIDGE REPLACEMENT	210 LF	2129
	TOTAL		126260

c.R&M Unfunded Requirement ($000): 78,141

10. Mission or Major Functions:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N00210	4.Command	5.Area Const Cost Index
NAVAL STATION GREAT LAKES, ILLINOIS	Commander Navy Installations	1.27

Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel at Service School.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	RTC INFRASTRUCTURE UPGRADES (INCREMENT I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203576N	85110	P748	Auth 78,580 Approp 32,730 Auth for Approp 32,730

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
RTC INFRASTRUCTURE UPGRADES (INCREMENT I) (26,515 SF)	m2	2,463.36		6950
VISITORS CENTER (24,154 SF)	m2	2,244	2,056.00	(4610)
GATE HOUSE 8 (2,120 SF)	m2	196.95	10,317.89	(2030)
NMCI SERVICE ROOM (241 SF)	m2	22.41	2,611.12	(60)
TECHNICAL OPERATING MANUALS	LS			(70)
INFORMATION SYSTEMS	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(130)
SUPPORTING FACILITIES				61390
SITE ELECTRICAL UTILITIES	LS			(21690)
COMMUNICATION SYSTEM IMPACT FEE	LS			(1980)
SITE MECHANICAL UTILITIES	LS			(13190)
PAVING AND SITE IMPROVEMENTS	LS			(23780)
DEMOLITION	LS			(750)
SUBTOTAL				68340
CONTINGENCY (5%)				3420
TOTAL CONTRACT COST				71760
SIOH (5.7%)				4090
SUBTOTAL				75850
DESIGN/BUILD - DESIGN COST				2730
LESS INCREMENT II FUNDING	LS			-45850
TOTAL REQUEST ROUNDED				32730
TOTAL REQUEST				32730

10.Description of Proposed Construction

Relocate and upgrade existing infrastructure systems to support the recapitalization of buildings and increase security at Recruit Training Command. Includes roads, sidewalks, parking areas, parade fields, landscaping, exterior lighting, security fence, potable water, fire mains, storm and sanitary collection systems, electrical, telecommunications, site signs, natural gas, and steam/condensate distributions systems. All utility system pricing has been adjusted to reflect the increased cost of contractors concurrently working on multiple systems in a congested underground area, without disrupting operations to house, train and graduate 50,000 recruits each year. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Security improvements include Entry Control Facilities improvements at Gate 8 and Visitors Security Screening facilities. Demolition of Buildings #909 (100 M2), 1209 (100 M2), 929 (613 M2), 1212 (4602 M2), 912 (1115 M2).

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N00210 NAVAL STATION GREAT LAKES, ILLINOIS	4.Project Title RTC INFRASTRUCTURE UPGRADES (INCREMENT I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203576N	85110	P748	Auth 78,580 Approp 32,730 Auth for Approp 32,730

11.Requirement: 2463m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

Relocates and upgrades existing roads, sidewalks and utility systems to support the recapitalization of RTC Great Lakes facilities and provides adequate parking facilities for staff and visitors.

(Current Mission)

REQUIREMENT:

This project will provide roads and utility systems with adequate capacity to support the recapitalization of RTC facilities. The Recruit Training Command, Great Lakes is the Navy's sole recruit training base. It processes approximately 50,000 to 55,000 recruits per year with peak loads of 16,000 recruits during summer months. RTC is currently undergoing an extensive multi-year recapitalization program of existing barracks, drill halls, and other facilities. This recapitalization program will require the demolition and reconstruction of much of the existing base infrastructure. It will also include the relocation of the existing non-Navy owned communication system to mitigate the impact of telephone and cable TV rate increases to Navy customers. Also provides adequate parking for visitors to recruit graduations, improves traffic flow, and improves base security. The result of the recapitalization program and infrastructure upgrades will be improved and more efficient recruit training.

CURRENT SITUATION:

Existing barracks and training facilities, with associated infrastructure (roads and utility systems), are dispersed inefficiently throughout the RTC campus. Vehicular traffic is not separated from pedestrian traffic and marching time between facilities is excessive. The new base master plan consolidates like facilities into separate zones and utilizes perimeter roads and interior recruit sidewalks to separate vehicular and pedestrian traffic. This master plan is currently being implemented through the construction of previously authorized projects to replace recruit barracks and drill halls and provide a new physical training facility. Additional projects will replace the remaining recruit barracks and provide a new Battle Stations facility.

IMPACT IF NOT PROVIDED:

The recapitalization of RTC Great Lakes cannot be implemented in accordance with the new base master plan without relocation and upgrade of infrastructure. Separate berthing, training, and public areas cannot be created and vehicular and pedestrian traffc cannot be separated. Recruit training efficiency would not be improved. Utility systems would not have adequate capacity for the new barracks. Parking for visitors to recruit graduations will be insufficient.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	RTC INFRASTRUCTURE UPGRADES (INCREMENT I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203576N	85110	P748	Auth 78,580 Approp 32,730 Auth for Approp 32,730

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	082003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(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) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	042009

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. 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: Jeff Markey Phone No: (847) 688-2795, ext. 108

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N00210 NAVAL STATION GREAT LAKES, ILLINOIS	4.Project Title RTC INFRASTRUCTURE UPGRADES (INCREMENT I)

5.Program Element 0203576N	6.Category Code 85110	7.Project Number P748	8.Project Cost ($000) Auth 78,580 Approp 32,730 Auth for Approp 32,730

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	RTC RECRUIT BARRACKS

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203276N	72115	P740	38,720

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
RTC RECRUIT BARRACKS (190,880 SF)	m2	17,733.31		30870
NMCI SEVICE ROOM (1,890 SF)	m2	175.58	1,354.74	(240)
RECRUIT BARRACKS (151,401 SF)	m2	14,065.62	1,293.85	(18200)
APPLIED INSTRUCTION BUILDING (14,324 SF)	m2	1,330.7	2,224.90	(2960)
ENLISTED DINING FACILITY (23,265 SF)	m2	2,161.41	3,253.40	(7030)
BUILT-IN EQUIPMENT	LS			(370)
TECHNICAL OPERATING MANUALS	LS			(150)
INFORMATION SYSTEMS	LS			(680)
ANTI-TERRORISM/FORCE PROTECTION	LS			(610)
SPECIAL COSTS	LS			(630)
SUPPORTING FACILITIES				3400
ELECTRICAL UTILITIES	LS			(280)
MECHANICAL UTILITIES	LS			(670)
PAVING AND SITE IMPROVEMENTS	LS			(1400)
DEMOLITION	LS			(1050)
SUBTOTAL				34270
CONTINGENCY (5%)				1710
TOTAL CONTRACT COST				35980
SIOH (5.7%)				2050
SUBTOTAL				38030
DESIGN/BUILD - DESIGN COST				690
TOTAL REQUEST ROUNDED				38720
TOTAL REQUEST				38720

10.Description of Proposed Construction

Construct a three story open-bay, building to accommodate 1,056 recruits, including classrooms and a modified enlisted closed mess to serve the entire 1,056 recruits and staff in 60 minutes (food serving and eating area only). Demolition of one existing bachelor quarters (9129 square meters) is included. Built-in equipment includes an elevator. Anti-terrorism/force protection features will be included. The facility will be constructed to seismic zone 1 criteria. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Special costs include loading dock area canopy, covered walkways, and storm water system improvements.

Intended Grade Mix: 1,056 Recruits
Maximum Utilization: 1,056 Recruits

11.Requirement: 16000PN **Adequate:** 496PN **Substandard:** 0PN

PROJECT:

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N00210 NAVAL STATION GREAT LAKES, ILLINOIS	4.Project Title RTC RECRUIT BARRACKS

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203276N	72115	P740	38,720

Construct a new 1,056 person Recruit Barracks to provide adequate berthing space, messing facilities, and academic instruction spaces in the same building (all in one complex - AIOC).

(Current Mission)

REQUIREMENT:

Adequate recruit barracks are required to support the Chief of Naval Operations approved surge capacity for RTC Great Lakes of 16,168 recruits. Currently, the older recruit barracks house 1,056 recruits in less than 50 net square feet (NSF) per person. This is in violation of the current minimum standard of 72 NSF per person and requires a waiver to operate at this capacity. This project is a continuation of previous MCON projects to correct space deficiencies and institute a new training concept where the academic recruit training is done in the same facility as the living quarters. The current total barracks capacity is 10,800 based on current space criteria. Other approved MCON projects will partially eliminate the deficiency. Future projects will continue to be submitted to replace all of the existing barracks. For training purposes, divisions are best sized at 88 PN. With 12 divisions planned for each building, this calculates to the total of 1056 recruits per building.

CURRENT SITUATION:

Recruit training is hampered by the lack of suitable or adequate berthing facilities. Currently, recruits housed in the older barracks have a space allowance of less than 50 NSF per recruit and a waiver is required to operate in this manner. This does not meet the current standard of 72 NSF per recruit. In addition, the current older facilities were built in the 1950s and 1960s and are reaching the end their useful life. Maintenance is a major problem, and there is no air conditioning or forced air ventilation in any of the barracks. They are heated with steam fin tube radiators along the perimeter walls and there is virtually no control. Windows have to be opened to control the temperature. Many of the windows are inoperative. The buildings do not meet current outside air ventilation requirements. Court yards are a waste of usable space. The gang heads were built for a capacity of 60, which is not sufficient for the existing 88-94 persons per division. The only fire protection is smoke detectors. The exterior of the structures are deteriorated with exposed re-bar in many areas due to spalling concrete. The water, sewer, and electrical systems are old, undersized, and unreliable. The poor condition of the facilites results in recruits being housed in uncomfortable, unsafe, crowded, and potentially unhealthy conditions.

IMPACT IF NOT PROVIDED:

Recruits will continue to be housed in uncomfortable, unsafe, crowded, and potentially unhealthy conditions. An inordinate amount of training time will be lost due to the distance between berthing and classrooms and due to the time spent waiting in line for meals. If the deficiency is not corrected, the training mission requirements will be

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	RTC RECRUIT BARRACKS

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203276N	72115	P740	38,720

severely impacted by reducing training time, training consistency, and increased attrition. The Navy's long range recruiting goals will not be realized if these facility deficits continue to exist. Mission support and readiness throughout the Navy will be impacted if recruit training is limited by lack of berthing and training spaces. These deficiencies at RTC Great Lakes are resulting in the inability to train an adequate number of recruits to meet the fleet requirement of 56,000 throughput and a 16,168 surge requirement. Furthermore, the opportunity to significantly improve training efficiency and quality through an "all in one concept" will be lost. This is a major concern to CNO, the Secretary of the Navy, and Congress.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		082003
(B) Date 35% Design or Parametric Cost Estimate Complete		092005
(C) Date Design Completed		042006
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(F) Type of Design Contract		Design Build
(G) Parametric Estimate used to develop cost		Yes
(H) Energy study/Life cycle analysis performed		Yes

2. Basis:

(A) Standard or Definitive Design:	Yes
(B) Where Design Was Previously Used:	Site adapt of P730

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	042008

B. Equipment associated with this project which will be provided from other appropriations: None

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	RTC RECRUIT BARRACKS

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203276N	72115	P740	38,720

C. FY 2004 R&M Conducted ($000): $71
D. FY 2005 R&M Conducted ($000): $157
E. Future R&M Requirements ($000): $368

JOINT USE CERTIFICATION:
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: Jeff Markey Phone No: (847) 688-2795, ext. 108

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	RTC RECRUIT BARRACKS

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203276N	72115	P741	33,840

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
RTC RECRUIT BARRACKS (176,546 SF)	m2	16,401.68		26770
NMCI SERVICE ROOM (1,748 SF)	m2	162.39	1,353.77	(220)
RECRUIT BARRACKS (150,401 SF)	m2	13,972.72	1,292.17	(18060)
APPLIED INSTRUCTION BUILDING (14,324 SF)	m2	1,330.7	2,224.90	(2960)
ENLISTED DINING FACILITY (10,074 SF)	m2	935.87	3,582.67	(3350)
BUILT-IN EQUIPMENT	LS			(360)
TECHNICAL OPERATING MANUALS	LS			(130)
INFORMATION SYSTEMS	LS			(650)
ANTI-TERRORISM/FORCE PROTECTION	LS			(530)
SPECIAL COSTS	LS			(510)
SUPPORTING FACILITIES				3180
ELECTRICAL UTILITIES	LS			(280)
MECHANICAL UTILITIES	LS			(490)
PAVING AND SITE IMPROVEMENTS	LS			(1360)
DEMOLITION	LS			(1050)
SUBTOTAL				29950
CONTINGENCY (5%)				1500
TOTAL CONTRACT COST				31450
SIOH (5.7%)				1790
SUBTOTAL				33240
DESIGN/BUILD - DESIGN COST				600
TOTAL REQUEST ROUNDED				33840
TOTAL REQUEST				33840

10.Description of Proposed Construction

Construct a three story open-bay, building to accommodate 1,056 recruits, including classrooms and a modified enlisted closed mess to serve the entire 1,056 recruits and staff in 60 minutes (food serving and eating area only). Demolition of one existing bachelor quarters (9129 square meters) is included. Built-in equipment includes an elevator. Anti-terrorism/force protection features will be included. The facility will be constructed to seismic zone 1 criteria. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Special costs include loading dock area canopy, covered walkways, and storm water system improvements.

Intended Grade Mix: 1,056 Recruits
Maximum Utilization: 1,056 Recruits

11.Requirement: 16000PN **Adequate:** 496PN **Substandard:** 0PN

PROJECT:

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N00210 NAVAL STATION GREAT LAKES, ILLINOIS	4.Project Title RTC RECRUIT BARRACKS

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203276N	72115	P741	33,840

Construct a new 1,056 person Recruit Barracks to provide adequate berthing space, messing facilities, and academic instruction spaces in the same building (all in one complex - AIOC).

(Current Mission)

REQUIREMENT:

Adequate recruit barracks are required to support the Chief of Naval Operations approved surge capacity for RTC Great Lakes of 16,168 recruits. Currently, the older recruit barracks house 1,056 recruits in less than 50 net square feet (NSF) per person. This is in violation of the current minimum standard of 72 NSF per person and requires a waiver to operate at this capacity. This project is a continuation of previous MCON projects to correct space deficiencies and institute a new training concept where the academic recruit training is done in the same facility as the living quarters. The current total barracks capacity is 10,800 based on current space criteria. Other approved MCON projects will partially eliminate the deficiency. Future projects will continue to be submitted to replace all of the existing barracks. For training purposes, divisions are best sized at 88 PN. With 12 divisions planned for each building, this calculates to the total of 1056 recruits per building.

CURRENT SITUATION:

Recruit training is hampered by the lack of suitable or adequate berthing facilities. Currently, recruits housed in the older barracks have a space allowance of less than 50 NSF per recruit and a waiver is required to operate in this manner. This does not meet the current standard of 72 NSF per recruit. In addition, the current older facilities were built in the 1950s and 1960s and are reaching the end their useful life. Maintenance is a major problem, and there is no air conditioning or forced air ventilation in any of the barracks. They are heated with steam fin tube radiators along the perimeter walls and there is virtually no control. Windows have to be opened to control the temperature. Many of the windows are inoperative. The buildings do not meet current outside air ventilation requirements. Courtyards are a waste of usable space. The gang heads were built for a capacity of 60, which is not sufficient for the existing 88-94 persons per division. The only fire protection is smoke detectors. The exterior of the structures are deteriorated with exposed re-bar in many areas due to spalling concrete. The water, sewer, and electrical systems are old, undersized, and unreliable. The poor condition of the facilites results in recruits being housed in uncomfortable, unsafe, crowded, and potentially unhealthy conditions.

IMPACT IF NOT PROVIDED:

Recruits will continue to be housed in uncomfortable, unsafe, crowded, and potentially unhealthy conditions. An inordinate amount of training time will be lost due to the distance between berthing and classrooms and due to the time spent waiting in line for meals. If the deficiency is not corrected, the training mission requirements will be

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	RTC RECRUIT BARRACKS

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203276N	72115	P741	33,840

severely impacted by reducing training time, training consistency, and increased attrition. The Navy's long range recruiting goals will not be realized if these facility deficits continue to exist. Mission support and readiness throughout the Navy will be impacted if recruit training is limited by lack of berthing and training spaces. These deficiencies at RTC Great Lakes are resulting in the inability to train an adequate number of recruits to meet the fleet requirement of 56,000 throughput and a 16,168 surge requirement. Furthermore, the opportunity to significantly improve training efficiency and quality through an "all in one concept" will be lost. This is a major concern to CNO, the Secretary of the Navy, and Congress.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		082003
(B) Date 35% Design or Parametric Cost Estimate Complete		092005
(C) Date Design Completed		042006
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(F) Type of Design Contract		Design Build
(G) Parametric Estimate used to develop cost		Yes
(H) Energy study/Life cycle analysis performed		Yes

2. Basis:

(A) Standard or Definitive Design:	Yes
(B) Where Design Was Previously Used:	Site adapt of P730

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	042008

B. Equipment associated with this project which will be provided from other appropriations: None

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	RTC RECRUIT BARRACKS

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203276N	72115	P741	33,840

C. FY 2004 R&M Conducted ($000): $71
D. FY 2005 R&M Conducted ($000): $157
E. Future R&M Requirements ($000): $368

JOINT USE CERTIFICATION:
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: Jeff Markey Phone No: (847) 688-2795, ext. 108

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	DRILL HALL REPLACEMENT

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805976N	17140	P667	16,610

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
DRILL HALL REPLACEMENT (68,771 SF)	m2	6,389		11960
NMCI SERVICE ROOM (549 SF)	m2	51	1,648.00	(80)
DRILL HALL REPLACEMENT (68,222 SF)	m2	6,338	1,695.35	(10750)
BUILT-IN EQUIPMENT	LS			(120)
TECHNICAL OPERATING MANUALS	LS			(70)
INFORMATION SYSTEMS	LS			(130)
ANTI-TERRORISM/FORCE PROTECTION	LS			(440)
SPECIAL COSTS	LS			(370)
SUPPORTING FACILITIES				2740
ELECTRICAL UTILITIES	LS			(320)
MECHANICAL UTILITIES	LS			(520)
PAVING AND SITE IMPROVEMENTS	LS			(820)
DEMOLITION	LS			(1080)
SUBTOTAL				14700
CONTINGENCY (5%)				740
TOTAL CONTRACT COST				15440
SIOH (5.7%)				880
SUBTOTAL				16320
DESIGN/BUILD - DESIGN COST				290
TOTAL REQUEST ROUNDED				16610
TOTAL REQUEST				16610

10.Description of Proposed Construction

Permanent, one-story, drill hall with two-story administrative wing, including open-bay drill deck, training support spaces, administrative offices, fire protection system, air conditioning, electrical and mechanical supporting utilities, paving, site improvements, and technical operating manuals. Steel frame structure with brick veneer, metal roof and 340 tons of air conditioning. Built-In equipment includes elevator and NMCI dedicated HVAC. Anti-terrorism/Force Protection features will be included in accordance with current criteria. Special costs include a trash collection yard, steam line upgrades, and site storm water improvements. The existing Drill Hall Building 1000 (5964 M2) will be demolished. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 6389m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

Constructs a drill hall to replace an existing inadequate drill hall at the Recruit Training Command for year round training.

(Current Mission)

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	DRILL HALL REPLACEMENT

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805976N	17140	P667	16,610

REQUIREMENT:

An adequate facility is required to support mission mandatory training such as close order drill, ceremonial exercises, and other large divisional assemblies during harsh winter conditions (Nov. - Mar.), excessive heat days (July - Sept.) and inclement weather during the year. This project is the last in a series of three Drill Hall replacement projects. These projects were meant to replace the existing four drill halls, used for drilling and physical fitness training, which were semi-permanent structures constructed in 1942 as temporary buildings with an intended useful life of five years. All drill halls were under continuous repair since 1943 for delaminated wood arches and biological decomposition. A near catastrophic failure of most arches occurred in 1982 and as a result, a major renovation project was undertaken in 1984 to extend the useful life of the facilities for 15 years.

CURRENT SITUATION:

Presently, there are indications of accelerated wood rot and delamination of the arches and deterioration of roof decking and tie beams. The progression of delamination and, in particular, biological decomposition has worsened, as indicated by current roof deflections similar to those that preceded the collapse of another drill hall. Buildings #1200, 1400, and 800 have been demolished via previous projects. Building #1000 is the last of the original four drill halls and will be demolished at the completion of this project. After completion of this project, there will be three new drill halls, adequately sized for drill and ceremonies only. A new, consolidated physical training facility was completed in 2002 to satisfy that requirement.

IMPACT IF NOT PROVIDED:

Structural deterioration of the old drill hall will continue to accelerate with time to a point where eventually the facilities will have to be closed for safety considerations. Without drill hall facilities, RTC will not be able to train sailors on a year round basis.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092003
(B) Date 35% Design or Parametric Cost Estimate Complete		092005
(C) Date Design Completed		042006
(D) Percent Completed as of	SEPTEMBER 2002	3%
(E) Percent Completed as of	JANUARY 2003	3%
(F) Type of Design Contract		Design Build
(G) Parametric Estimate used to develop cost		Yes
(H) Energy study/Life cycle analysis performed		Yes

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	DRILL HALL REPLACEMENT

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805976N	17140	P667	16,610

2. Basis:	
(A) Standard or Definitive Design:	Yes
(B) Where Design Was Previously Used:	FY00 P623 Drill Hall at RTC GL
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	042008

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. 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: Jeff Markey Phone No: 847-688-2795

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00210	4.Project Title
NAVAL STATION GREAT LAKES, ILLINOIS	DRILL HALL REPLACEMENT

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805976N	17140	P667	16,610

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N00161	4.Command	5.Area Const Cost Index
NAVAL ACADEMY ANNAPOLIS, MARYLAND	Commander Navy Installations	1.02

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	396	16	1206	0	4000	0	0	0	0	5618
b. End FY 2011	429	149	1206	0	4000	0	0	0	0	5784

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	42,713
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	24,930
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	26,790
f.	PLANNED IN NEXT THREE PROGRAM YEARS	2,027
g.	REMAINING DEFICIENCY	51,553
h.	**GRAND TOTAL .....**	**148,013**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
74043	WESLEY BROWN FIELD HOUSE INC I	13648 m2	24930	07/2003	04/2006
	TOTAL		24930		

9. Future Projects:

a.Included In The Following Program:

74043	WESLEY BROWN FIELD HOUSE INC II	13648 M2	26790
	TOTAL		26790

b.Major Planned Next Three Years:

17110	NEW ACADEMIC BUILDING	15394.89 M	2027
	TOTAL		2027

c.R&M Unfunded Requirement ($000): 303,398

10. Mission or Major Functions:

Provide material, personnel, and services support for the professional development program of midshipmen at the U.S. Naval Academy. Provide support services for assigned tenants and activities.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N00161 NAVAL ACADEMY ANNAPOLIS, MARYLAND	4.Command Commander Navy Installations	5.Area Const Cost Index 1.02

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00161	4.Project Title
NAVAL ACADEMY ANNAPOLIS, MARYLAND	WESLEY BROWN FIELD HOUSE INCREMENT I

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0816076N	74043	P334	Auth 51,720 Approp 24,930 Auth for Approp 24,930

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
WESLEY BROWN FIELD HOUSE INCREMENT I (146,906 SF)	m2	13,648		36290
FIELD HOUSE ATHLETIC AND SUPPORT SPACE (146,906 SF)	m2	13,648	2,049.24	(27970)
BUILT-IN EQUIPMENT	LS			(2270)
TECHNICAL OPERATING MANUALS	LS			(340)
INFORMATION SYSTEMS	LS			(90)
ANTI-TERRORISM/FORCE PROTECTION	LS			(2630)
SPECIAL COSTS	LS			(2990)
SUPPORTING FACILITIES				8690
SPECIAL FOUNDATION FEATURES	LS			(2300)
ELECTRICAL UTILITIES	LS			(870)
MECHANICAL UTILITIES	LS			(4500)
PAVING AND SITE IMPROVEMENTS	LS			(1020)
SUBTOTAL				44980
CONTINGENCY (5%)				2250
TOTAL CONTRACT COST				47230
SIOH (5.7%)				2690
SUBTOTAL				49920
DESIGN/BUILD - DESIGN COST				1800
LESS INCREMENT II FUNDING	LS			-26790
TOTAL REQUEST ROUNDED				24930
TOTAL REQUEST				24930

10.Description of Proposed Construction

Construction of a two-story athletic facility including indoor track, sports medicine clinic, varsity offices, trophy/recruiting hall, varsity locker rooms, varsity and physical education meeting space, storage space, and other support spaces. This facility will have a long-span structural system to enclose the track facility, a deep foundation system, and a combination granite, masonry, and glass facade. The new athletic indoor track and infield space (including long-jump pit and other track facilities) will be included. Built-in equipment includes seating, elevator, scoreboard, sound system, computer flooring, and air conditioning for all athletic space. Special costs include floor mounted carpet roll. Special construction features include piling.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N00161 NAVAL ACADEMY ANNAPOLIS, MARYLAND	4.Project Title WESLEY BROWN FIELD HOUSE INCREMENT I

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0816076N	74043	P334	Auth 51,720 Approp 24,930 Auth for Approp 24,930

Orders.

Anti-terrorism/Force Protection standards will be integrated into the design, development, and construction of the project in accordance with current standards.

11.Requirement: 13648m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:
This project constructs a Field House required to support outdoor athletics.
(Current Mission)

REQUIREMENT:
Adequate facilities are required to support the Academy's physical training and athletic mission. This facility will become the primary facility at the Naval Academy for outdoor athletics, partially offsetting an existing deficit of 180,000 square feet in physical training facilities, and allowing the Naval Academy to move toward full compliance with Title IX gender equity requirements and the Americans with Disabilities Act requirements.

Additionally, adequate facilities must be located to support men's and women's outdoor varsity and club sports including: baseball, cross country, lacrosse, rugby, sprint football, and track and field. The mission of the Naval Academy is "to develop midshipmen morally, mentally and physically." Lockers, offices, team meeting rooms, and sports medicine must be collocated with their corresponding outdoor playing fields to maximize the benefits of limited physical training and sports practice times.

The new field house's primary athletic space will be the indoor track, which will be in proximity to the outdoor track. The new field house will also provide support space for outdoor sports, satisfying the outdoor sports' support space adjacency requirement to Dewey and Farragut fields. In addition, the field house will have a sports medicine component. Development of a new field house on the Turner Field site is emphasized as a high-profile representation of the Academy's Physical Mission. From this prominent site, the new building will make a powerful statement about the Academy's commitment to physical fitness and will generally enhance the visual image of the Yard.

CURRENT SITUATION:
Adequate facilities to meet the needs of the Naval Academy's athletic programs do not exist. Existing facilities fall short of program requirements by 180,000 SF. Existing facilities do not meet requirements for gender equity. Since the incorporation of women in the Brigade of Midshipmen, an additional 10 Intercollegiate Women's Varsity teams and

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00161	4.Project Title
NAVAL ACADEMY ANNAPOLIS, MARYLAND	WESLEY BROWN FIELD HOUSE INCREMENT I

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0816076N	74043	P334	Auth 51,720 Approp 24,930 Auth for Approp 24,930

12 additional Women's Club Sports have been added to the Naval Academy's athletic programs. Rigid schedules for the daily routine of the Brigade generally do not permit men and women's teams to schedule time in the same facilities. Lockers are currently available for only 75% of the female Varsity athletes.

Physical training programs at the Naval Academy utilize spaces scattered throughout the Yard in 15 buildings. Most need extensive structural repairs and upgrades to comply with current Life Safety Code and ADA requirements. These spaces include a converted boathouse and an armory, each nearing 100 years in age, and facilities built 30 years or more ago, prior to the incorporation of women into the Brigade of Midshipmen. These facilities are generally rated as sub-standard or inadequate. With such a significant athletic space deficiency, conditions at existing facilities cannot be repaired nor brought into compliance without curtailing programs.

IMPACT IF NOT PROVIDED:
If this project is not provided, specific athletic programs will have to be cancelled due to the lack of facilities to support them. Additional programs will have to be curtailed to make required repairs to existing inadequate and substandard facilities. Recruiting, retention, and accession of quality officers to the fleet will be increasingly compromised. The Naval Academy competes with other collegiate institutions for the best students in the nation. The decaying state of the athletic facilities is commonly viewed as significantly undermining that recruiting effort. An improvement to these facilities will improve recruiting and retention, allowing the Naval Academy to provide the best and brightest Officers to the Fleet.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		072003
(B) Date 35% Design or Parametric Cost Estimate Complete		092005
(C) Date Design Completed		042006
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(F) Type of Design Contract		Design Build
(G) Parametric Estimate used to develop cost		Yes
(H) Energy study/Life cycle analysis performed		Yes

2. Basis:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00161	4.Project Title
NAVAL ACADEMY ANNAPOLIS, MARYLAND	WESLEY BROWN FIELD HOUSE INCREMENT I

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0816076N	74043	P334	Auth 51,720 Approp 24,930 Auth for Approp 24,930

(A) Standard or Definitive Design:	No
(B) Where Design Was Previously Used:	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	042009

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. 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: Joe Rubino Phone No: 410-293-1549

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N00421	4.Command	5.Area Const Cost Index
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MARYLAND	Commander Navy Installations	1.08

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	849	2062	6749	0	0	0	81	27	0	9768
b. End FY 2011	959	2332	6749	0	0	0	81	27	0	10148

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	42,121
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	46,500
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	14,090
f.	PLANNED IN NEXT THREE PROGRAM YEARS	80,026
g.	REMAINING DEFICIENCY	326,846
h.	**GRAND TOTAL .....**	**509,583**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
31125	MULTI-MISSION MARITIME AIRCRAFT TEST FACILITIES	2407.86 m2	5800	09/2003	04/2006
31125	PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FAC II	18143.76 m	40700	12/2003	04/2005
	TOTAL		46500		

9. Future Projects:

a.Included In The Following Program:

31125	MULTI-MISSION MARITIME A/C HGR RENV/SUP FACS II	12964.86 M	14090
	TOTAL		14090

b.Major Planned Next Three Years:

21121	CONSOL A/C INTER MAINT FAC	12000 M2	27246
72111	BACHELOR ENLISTED QUARTERS	22943 M2	48402
42172	HIGH EXPLOSIVE MAGAZINES	1006 M2	4378
	TOTAL		80026

c.R&M Unfunded Requirement ($000): 144,593

10. Mission or Major Functions:

Test and evaluate aircraft and weapon systems, components, and their related equipment for Fleet use. Station also supports tactical support squadrons and the Navy Test Pilot School. Supports the Naval Air Systems Command Headquarters and supports elements of the Naval Research Laboratory; Flight Support Detachment Air Test and

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N00421 NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MARYLAND	4.Command Commander Navy Installations	5.Area Const Cost Index 1.08

Evaluation Squadron.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00421	4.Project Title
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MARYLAND	PRESIDENTIAL HELICOPTER PROGS SPT FAC (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P159A	Auth 0 Approp 40,700 Auth for Approp 40,700

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
PRESIDENTIAL HELICOPTER PROGS SPT FAC (INCR II) (195,298 SF)	m2	18,143.76		51360
AIR OPERATIONS CONTROL TOWER (6,997 SF)	m2	650	6,507.00	(4230)
RESEARCH AND DEVELOPMENT HANGAR (121,088 SF)	m2	11,249.4	2,088.36	(23490)
IPT & ITT OFFICE SPACES (38,964 SF)	m2	3,619.85	1,545.08	(5590)
LAB SPACES (28,250 SF)	m2	2,624.51	2,373.95	(6230)
BUILT-IN EQUIPMENT	LS			(6100)
TECHNICAL OPERATING MANUALS	LS			(470)
INFORMATION SYSTEMS	LS			(1470)
ANTI-TERRORISM/FORCE PROTECTION	LS			(3780)
SUPPORTING FACILITIES				31890
SPECIAL CONSTRUCTION FEATURES	LS			(4700)
BONDED STORAGE FACILITY	LS			(220)
HAZARDOUS MATERIAL BUILDING	LS			(250)
PAINT FACILITY	LS			(2220)
SECURITY FACILITY	LS			(170)
AIRFIELD TOWER RELOCATION	LS			(4810)
SPECIAL FOUNDATION FEATURES	LS			(3190)
ELECTRICAL UTILITIES	LS			(1900)
MECHANICAL UTILITIES	LS			(5170)
PAVING AND SITE IMPROVEMENTS	LS			(8110)
DEMOLITION	LS			(1150)
SUBTOTAL				83250
CONTINGENCY (5%)				4160
TOTAL CONTRACT COST				87410
SIOH (6%)				5240
SUBTOTAL				92650
DESIGN/BUILD - DESIGN COST				3330
FINANCED FROM PRIOR YEARS	LS			-15200
LESS INCREMENT I FUNDING	LS			-40000
LESS SIOH REDUCTION	LS			-80
TOTAL REQUEST ROUNDED				40700
TOTAL REQUEST				40700
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3500)

10.Description of Proposed Construction

This project shall construct an eight-bay hangar for Presidential Helicopter Development, Test, and Support to include spaces for engineering and testing, labs, maintenance, program office, security facility, hazardous material facility, control

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N00421 NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MARYLAND	4.Project Title PRESIDENTIAL HELICOPTER PROGS SPT FAC (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P159A	Auth 0 Approp 40,700 Auth for Approp 40,700

tower, Secure Compartmented Information Facility (SCIF), paint facility, bonded storage facility, flight equipment, wash rack and storage. Interior system requirements include bridge crane support, aircraft scale, AFFF (Aqueous Film Forming Foam) sprinkler, oil/water separator, 400 Hz power, infrared heating, emergency power, security fencing, intrusion detection, and information systems. The construction of this project will include counter-terrorism measures in compliance with the minimum construction standards.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

Anti-terrorism/Force Protection standards will be integrated into the design, development, and construction of the project in accordance with current standards.

11.Requirement: 18144m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

This project will construct a facility to house the Presidential helicopter support mission and support facilities.

(New Mission)

REQUIREMENT:

Adequate facilities are required to support the Presidential helicopter mission, which includes system development, test and evaluation of the next generation replacement aircraft, as well as engineering, logistics and maintenance support of in-service aircraft.

At the request of the White House and the Office of Management and Budget, the Under Secretary of Defense (Acquisition, Technology and Logistics) and the Assistant Secretary of the Navy (Research, Development and Acquisition) have directed the development of a new VXX Presidential support helicopter to replace the current VH fleet. Combined with the on-going engineering efforts associated with the in-service VH fleet, the rapid VXX program acceleration will require a substantial Presidential support test and evaluation effort. With the VXX development scheduled to occur in increments over time, there will be an extended period during which both the in-service fleet engineering efforts as well as the incremental VXX development efforts will be required, with a standing requirement for the long-term life-cycle engineering, logistics, and maintenance support of the

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N00421 NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MARYLAND	4.Project Title PRESIDENTIAL HELICOPTER PROGS SPT FAC (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P159A	Auth 0 Approp 40,700 Auth for Approp 40,700

Presidential fleet.

Studies are currently underway to compare VXX requirements for hangar space, administrative facilities, and air space with available assets at Department of Defense facilities in the National Capital Region. The results of these studies will determine the most cost effective means to provide facility support for the VXX program.

CURRENT SITUATION:
Government and industry efforts to provide program, research and development, test, evaluation, maintenance and logistics for the development and life-cycle support of the Presidential Helicopter Mission are currently located in Stratford, CT, and NAS Patuxent River, MD. Additionally, existing facilities at NAS Patuxent River, MD, capable of meeting the new Presidential support mission requirements are either occupied or obligated for other aircraft programs. The Presidential Helicopter Mission envisions an integrated development, test and support facility that avoids the current geographic separation of Presidential Helicopter mission functions and facilities.

IMPACT IF NOT PROVIDED:
If the proposed facilities are not constructed, there will be an increased risk of failing to meet the initial operating capability date directed by the White House, the Office of Management and Budget, the Under Secretary of Defense (Acquisition, Technology and Logistics), and the Assistant Secretary of the Navy (Research, Development and Acquisition).

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	122003
(B) Date 35% Design or Parametric Cost Estimate Complete	052004
(C) Date Design Completed	042005
(D) Percent Completed as of SEPTEMBER 2004	35%
(E) Percent Completed as of JANUARY 2005	90%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	Yes
(B) Where Design Was Previously Used:	Hangar 2133

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00421	4.Project Title
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MARYLAND	PRESIDENTIAL HELICOPTER PROGS SPT FAC (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P159A	Auth 0 Approp 40,700 Auth for Approp 40,700

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	012005
5. Construction Start	042005
6. Construction Complete	072006

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Interior Wiring	OPN	2006	$1,000
SIPRNET/JWICS	OPN	2006	$1,000
Interior Security (ADT)	OPN	2006	$1,500

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, and location are incompatible with use by other components.

Activity POC: Jeffery S. Flesher Phone No: 301-757-4776

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00421	4.Project Title
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MARYLAND	MULTI-MISSION MARITIME AIRCRAFT TEST FACILITIES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P147	5,800

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
MULTI-MISSION MARITIME AIRCRAFT TEST FACILITIES (25,918 SF)	m2	2,407.86		4430
MAINTENANCE SPACES (1,514 SF)	m2	140.66	2,873.46	(400)
TELECOMMUNICATIONS CENTER (160 SF)	m2	14.86	1,646.72	(20)
ITT OFFICE SPACES (24,244 SF)	m2	2,252.34	1,648.82	(3710)
BUILT-IN EQUIPMENT	LS			(40)
TECHNICAL OPERATING MANUALS	LS			(140)
ANTI-TERRORISM/FORCE PROTECTION	LS			(120)
SUPPORTING FACILITIES				620
SPECIAL CONSTRUCTION FEATURES	LS			(40)
PAVING AND SITE IMPROVEMENTS	LS			(580)
SUBTOTAL				5050
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5300
SIOH (5.7%)				300
SUBTOTAL				5600
DESIGN/BUILD - DESIGN COST				200
TOTAL REQUEST ROUNDED				5800
TOTAL REQUEST				5800

10.Description of Proposed Construction

Construction includes engineering office areas, maintenance, telecommunication rooms and storage spaces for the Multi-Mission Maritime Aircraft (MMA) Integrated Test Team. Site improvements include utility extensions, new vehicle parking, landscaping, and perimeter fencing. This project will provide counter-terrorism measures in compliance with the minimum construction standards. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 2409m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

This project will support maintenance, testing and instrumentation needs of the MMA Program and constructs new facilities to support the Integrated Test Team, development and operational test, and evaluation requirements for the new aircraft.

(Current Mission)

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00421	4.Project Title
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MARYLAND	MULTI-MISSION MARITIME AIRCRAFT TEST FACILITIES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P147	5,800

REQUIREMENT:

Adequate and efficiently configured facilities are required to accommodate MMA flight testing schedules. Construction of the ITT facility in FY 2006 is required to support 250 Integrated Test Team personnel projected to be on site in January 2007, which is one year earlier than the projected ITT building outfit date of January 2008. Temporary lease trailers will be used to house personnel during construction and outfitting.

The Navy Maritime Patrol and Reconnaissance fleet of P-3 aircraft are reaching the end of their fatigue life. The MMA program will recapitalize the capabilities currently provided by the P-3 aircraft systems. The acquisition strategy identifies NAWCAD Patuxent River as the primary test site. Existing facilities need to be renovated and/or reconfigured and over 440 personnel, consisting of MMA, Naval Research Laboratory, and VX1, must be relocated and consolidated in order to adequately support the MMA program requirements. Renovations and modernization to existing facilities are required to efficiently support the test and maintenance of six test aircraft. Renovation to an existing hangar will be done in a follow on project.

CURRENT SITUATION:

The approved acquisition strategy states that the principal test site for the Development Test and Evaluation programs for the MMA variant will be conducted at NAS Patuxent River and its associated Test Facilities. There are no available facilities for the Integrated Test Team.

IMPACT IF NOT PROVIDED:

If not provided the MMA Program will suffer severe delays in providing replacement aircraft to the fleet. This will result in a large cost to the Navy, since it will have to continuously repair the existing aging P-3, which has exceeded its structural design life.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092003
(B) Date 35% Design or Parametric Cost Estimate Complete		092005
(C) Date Design Completed		042006
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(F) Type of Design Contract		Design Build
(G) Parametric Estimate used to develop cost		Yes
(H) Energy study/Life cycle analysis performed		Yes

2. Basis:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00421	4.Project Title
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MARYLAND	MULTI-MISSION MARITIME AIRCRAFT TEST FACILITIES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P147	5,800

(A) Standard or Definitive Design:	Yes
(B) Where Design Was Previously Used:	Building 2649
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$300
(A) Production of Plans and Specifications	$250
(B) All other Design Costs	$50
(C) Total	$300
(D) Contract	$50
(E) In-House	$250
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	082007

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. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Vimaris Guadalupe Phone No: 301-757-4916

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00421	4.Project Title
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MARYLAND	MULTI-MISSION MARITIME AIRCRAFT TEST FACILITIES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0805376N	31125	P147	5,800

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N60478 ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY	4.Command Commander Navy Installations	5.Area Const Cost Index 1.21

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	88	1008	2357	0	0	0	1	5	0	3459
b. End FY 2011	52	486	2392	0	0	0	1	5	0	2936

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	88,262
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	54,432
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	4,610
h.	**GRAND TOTAL .....**	**147,304**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
15120	GENERAL PURPOSE BERTHING PIER INC III	31602 m2	54432	11/2001	12/2003
	TOTAL		54432		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

None

c.R&M Unfunded Requirement ($000): 45,840

10. Mission or Major Functions:

To provide fleet operational services and infrastructure management to support combat logistic homeporting, ordnance functions and tenant activities and execution of national military strategy. Ordnance function includes: to receive, renovate, maintain, store, and issue ammunition, explosives, expendable ordnance items, weapons, and maintain basic and war reserve ammunition stocks. Station also acts as overseas ammunition transhipment point for Armed Forces.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location: N60478 ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY	4.Command Commander Navy Installations	5.Area Const Cost Index 1.21

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60478	4.Project Title
ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY	GENERAL PURPOSE BERTHING PIER COMPLEX REPLACEMENT INCR III

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15120	P032B	Auth 16,652 Approp 54,432 Auth for Approp 54,432

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
GENERAL PURPOSE BERTHING PIER COMPLEX REPLACEMENT INCR III (340,161 SF)	m2	31,602		73300
PIER 2 UPGRADES (94,249 SF)	m2	8,756	523.25	(4580)
CONSTRUCT NEW TRESTLE (106,778 SF)	m2	9,920	1,602.93	(15900)
CONSTRUCT NEW PIER (128,962 SF)	m2	11,981	3,827.42	(45860)
CONSTRUCT WYE AREA FOR NEW PIER (10,172 SF)	m2	945	3,644.00	(3440)
FINISH WYE AREA AFTER TRESTLE REMOVAL	LS			(1630)
TUG/BARGE BERTHS	LS			(1080)
TECHNICAL OPERATING MANUALS	LS			(810)
SUPPORTING FACILITIES				52990
MOBILIZE/DEMOBILIZE	LS			(920)
DEMOL PIER & TRESTLE 3	LS			(10400)
DREDGING	LS			(3550)
DEMOL PIER & TRESTLE 2	LS			(7130)
DISPOS CONTAM DREDGE MATL	LS			(19300)
REMOVE RIPRAP MATL	LS			(820)
ELECTRICAL UTILITIES	LS			(4190)
MECHANICAL UTILITIES	LS			(6680)
SUBTOTAL				126290
CONTINGENCY (5%)				6310
TOTAL CONTRACT COST				132600
SIOH (6%)				7960
SUBTOTAL				140560
FINANCED FROM PRIOR YEARS	LS			-10000
LESS INCREMENTS I AND II FUNDING	LS			-75940
LESS SIOH REDUCTION	LS			-190
TOTAL REQUEST ROUNDED				54430
TOTAL REQUEST				54432
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4600)

10.Description of Proposed Construction

Construction of the project will include the following three increments:

INCREMENT I - Increment I will include mobilization; upgrading Pier 2 to provide temporary berths during construction; demolition of existing Pier and Trestle 3; and dredging to -47' (14.33m) (approximately 526,017 cubic meters).

INCREMENT II - Increment II will include mobilization; new trestle with steel or

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N60478 ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY	4.Project Title GENERAL PURPOSE BERTHING PIER COMPLEX REPLACEMENT INCR III

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15120	P032B	Auth 16,652 Approp 54,432 Auth for Approp 54,432

concrete piles and pile caps; new pier with steel or concrete piles and pile caps; concrete deck construction; finish wye area after Trestle 3 removal; and construct shore utilities.

INCREMENT III - Increment III will include completing the new pier and trestle from the new concrete deck. Construction will include the following: utility galleries, railroad tracks, fender system, pier buildings, counter terrorism features (lighting, cameras and floating barrier), the construction of tug/barge berths, the completion of mechanical and electrical systems (including lightning protection and onshore utilities); and the demolition of Pier and Trestle 2.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 31602m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:
This project constructs a replacement weapons loading/homeport pier and approach trestle.
(Current Mission)

REQUIREMENT:
NWS Earle requires 1,130 meters of berthing at two piers. Berths are required to support four Fast Combat Support (AOE) class ships, each with a maximum length of 243 meters. One berth is required for U. S. Navy ammunition ship load-out and three berths are required to support AOE's while in homeport.

CURRENT SITUATION:
Currently, the NWS Earle Pier Complex is comprised of the following three piers: Pier 2, Pier 3, and Pier 4 (Pier 1 serves as the temporary explosive truck holding yard at the Waterfront).

Pier 2 (concrete deck on timber piles) provides one berth for homeporting and is dredged to -35 ft. Pier 2 was constructed in 1944 and is limited by the following restrictions: Dredged depth restricts AOE berthing; Structural restrictions: One AOE can be berthed on the West side with winds velocities up to 60 miles per hour (MPH) maximum, two AOE's - can be berthed with wind velocities up to 30 MPH maximum; Pier 2 requires platform modifications for ordnance loading; ordnance loading on Pier 2 is restricted due to pier

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N60478 ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY	4.Project Title GENERAL PURPOSE BERTHING PIER COMPLEX REPLACEMENT INCR III

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15120	P032B	Auth 16,652 Approp 54,432 Auth for Approp 54,432

length and existing pier building; Pier and Trestle 2 requires timber pile repairs; the railroad tracks on Pier 2 are in poor condition and are non-certified. Pier 2 requires new east side fenders/mooring dolphins; and Pier 2 has insufficient electrical connections on the east side. Structural testing and engineering analysis of the pier and trestle structure has identified significant areas of deterioration. The on-going process of structural degradation has prompted concern for the safety of operations on Pier and Trestle 2.

Pier 3 (concrete deck on timber piles) provides two berths for ordnance loading and is dredged to -35 ft. Pier 3 was constructed in 1944 and is limited by the following restrictions: dredged depth restricts AOE berthing; Pier 3 utilities are limited to water and sewer only; all rail lines on the east side of Pier 3 are in poor condition and are shut down; Trestle 3 requires deck and rail repairs; timber pile repairs are required on Pier and Trestle 3; and Pier 3 requires a new fender system to support AOE class ships.

Pier 4 (concrete deck on steel piles) provides 2 berths for homeporting or ordnance loading and is dredged to -47 ft. Pier 4 was constructed in 1990 and is not limited by restrictions.

IMPACT IF NOT PROVIDED:
Continued use of existing Piers/Trestles 2 and 3 will eventually result in structural failures which will significantly affect and diminish NWS Earle's ability to perform its mission. These facilities are approximately 60 years old and have reached their economic and designed life.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	112001
(B) Date 35% Design or Parametric Cost Estimate Complete	012003
(C) Date Design Completed	122003
(D) Percent Completed as of SEPTEMBER 2004	100%
(E) Percent Completed as of JANUARY 2005	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:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60478	4.Project Title
ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY	GENERAL PURPOSE BERTHING PIER COMPLEX REPLACEMENT INCR III

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15120	P032B	Auth 16,652 Approp 54,432 Auth for Approp 54,432

(A) Standard or Definitive Design:		No
(B) Where Design Was Previously Used:	NWS EARLE PIER 4	(1990)
3. Total Cost (C) = (A) + (B) = (D) + (E) :		$947
(A) Production of Plans and Specifications		$710
(B) All other Design Costs		$237
(C) Total		$947
(D) Contract		$592
(E) In-House		$355
4. Contract Award		062004
5. Construction Start		062004
6. Construction Complete		032007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Oil Spill Barrier Boom	OMN	2006	$2,900
Submarine Camel	OMN	2006	$1,700

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.

Activity POC: John Mahoney Phone No: 732-866-2320

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M67001	4.Command	5.Area Const Cost Index
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	Commandant of the Marine Corps	.96

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	332	1349	369	0	0	0	0	0	0	2050
b. End FY 2011	359	1517	369	0	0	0	0	0	0	2245

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(158,415 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	1,766,034
c.	AUTHORIZATION NOT YET IN INVENTORY.....	78,242
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	41,590
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	79,628
f.	PLANNED IN NEXT THREE PROGRAM YEARS	270,364
g.	REMAINING DEFICIENCY	497,720
h.	**GRAND TOTAL .....**	**2,733,578**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
17940	MULTI-PURPOSE MACHINE GUN RANGE	0 LS	5370	09/2003	04/2006
21453	ASSAULT BREACHER VEH MAINTENANCE FACILITY	702 m2	4040	09/2003	09/2005
72124	BACHELOR ENLISTED QUARTERS, CAMP JOHNSON	8500 m2	20340	09/2003	04/2006
72210	MESS HALL, COURTHOUSE BAY	2029 m2	11840	09/2003	09/2005
	TOTAL		41590		

9. Future Projects:

a.Included In The Following Program:

14345	II MEF ARMORIES	1779 m2	5089
17110	ACADEMIC INSTRUCTION FACILITY	6760 m2	15800
17110	CONSOLIDATED ACADEMIC INSTR FAC (PH II)	6732 m2	15200
17940	MOD K-RANGES PHASE I	0 LS	12100
42122	AMMUNITION SUPPLY POINT UPGRADE PH II	1984 m2	7379
72124	BACHELOR ENLISTED QUARTERS	10209.3 m2	24060
	TOTAL		79628

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M67001	4.Command	5.Area Const Cost Index
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	Commandant of the Marine Corps	.96

b.Major Planned Next Three Years:

14345	4TH MEB OPERATIONS COMPLEX	0	LS	16627
17120	APPLIED INSTRUCTION BLDG	34730	SF	4694
17940	MOD K-RANGES PHASE II	110	EA	11434
17945	MOUT ENHANCEMENT		LS	10207
21710	MODIFY 6TH MARINES OPS FAC	1573	M2	5949
14320	EOD OPERATIONAL FACILITY	0	LS	4700
14320	EOD OPERATIONAL FACILITY (05 ADD)	0	LS	4700
17751	AUTOMATED INFANTRY SQUAD BATTLE COURSE, G10	0	LS	4556
21453	MAINT SHOP/UTIL PLATOON	570	M2	4717
44112	ORGANIZATIONAL EQUIP STRG	3155	M2	984
72111	BACHELOR ENLISTED QUARTERS	0	LS	21130
72124	4TH MEB BEQ (PHASE II)	12238	M2	30562
72124	BACHELOR ENLISTED QUARTERS	14463	M2	30163
72210	CONSOLIDATED MESSHALL, HADNOT POINT	5073	M2	20039
17135	SIMULATION CENTER		LS	8055
44111	MATERIAL DISTRIBUTION CTR	0	LS	16307
61072	4TH MEB OPERATIONS COMPLEX PH I	8361	M2	9060
72111	BACHELOR ENLISTED QUARTERS		LS	24300
72124	BACHELOR ENLISTED QUARTERS	8500	M2	23441
72124	BACHELOR ENLISTED QUARTERS - CAMP GEIGER		LS	9057
*83315	LANDFILL CELL	0	LS	9682
	TOTAL			270364

c.R&M Unfunded Requirement ($000): 54,740

10. Mission or Major Functions:

Provide housing, training facilities, logistics support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools for other training as directed.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 9682

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	BACHELOR ENLISTED QTRS, CAMP JOHNSON

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	72124	P151	Auth 22,340 Approp 20,340 Auth for Approp 20,340

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
BACHELOR ENLISTED QTRS, CAMP JOHNSON (91,493 SF)	m2	8,500		15080
BEQ BLDG 1 (45,747 SF)	m2	4,250	1,624.51	(6900)
BEQ BLDG 2 (45,747 SF)	m2	4,250	1,624.51	(6900)
BUILT-IN EQUIPMENT	LS			(150)
TECHNICAL OPERATING MANUALS	LS			(150)
INFORMATION SYSTEMS	LS			(220)
ANTI-TERRORISM/FORCE PROTECTION	LS			(760)
SUPPORTING FACILITIES				4350
SPECIAL FOUNDATION FEATURES	LS			(740)
ELECTRICAL UTILITIES	LS			(800)
MECHANICAL UTILITIES	LS			(740)
PAVING AND SITE IMPROVEMENTS	LS			(1530)
DEMOLITION	LS			(540)
SUBTOTAL				19430
CONTINGENCY (5%)				970
TOTAL CONTRACT COST				20400
SIOH (5.7%)				1160
SUBTOTAL				21560
DESIGN/BUILD - DESIGN COST				780
FINANCED FROM PRIOR YEARS	LS			-2000
TOTAL REQUEST ROUNDED				20340
TOTAL REQUEST				20340

10.Description of Proposed Construction

Construct two multi-story BEQs with 100 two-person rooms each with interior and exterior masonry walls, brick masonry exterior veneer, semi-private bathrooms, walk-in closets, and standing seam metal roof. Built in equipment includes fire protection alarm system, a fire pump with generator backup for the fully sprinklered building spaces, and two fire pumps. Information systems inlude CATV and LAN cabling. Special foundation features include pile foundations with reinforced grade beams. Mechanical systems include HVAC system, sanitary sewer, and overhead steam distribution. Electrical systems include area lighting, communication and telephone systems. Site and paving improvements include landscaping, recreation areas, sidewalks, modification and extension of existing utilities, new parking and access driveways, roadway directional and operational signs, and a storm water management retention pond for overall site drainage, site fill to stabilize and improve site drainage and accessibility, and landscaping. Five NMCI service connections/seats are required for this project. The

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	4.Project Title BACHELOR ENLISTED QTRS, CAMP JOHNSON

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	72124	P151	Auth 22,340 Approp 20,340 Auth for Approp 20,340

project includes demolition of four 1940s era barracks which will be vacated by the construction of this project: buildings M511, M518, M621, and M622. An additional nine buildings (M314, M315, M419, M501, M503, M506, M512, M513, M520) and three structures SM329, SM340, and SM631 will be demolished (total 4702 m2). Project also requires the demolition of existing ballfield and wooded area currently occupying new BEQ site. Sustainable features will be included in the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.
BEQ maximum utilization is 400 E1-E3s.
E1-E3 = 360
E-4 = 12
E5 = 8

11.Requirement: 8500m2 **Adequate:** m2 **Substandard:** m2

PROJECT:
Constructs two "2x0" bachelor enlisted quarters with 100 rooms each for enlisted permanent party personnel assigned to the Marine Corps Combat Service Support Schools at Camp Johnson.

(Current Mission)

REQUIREMENT:
Bachelor Enlisted housing which meets current Marine Corps BEQ Construction standards at Camp Johnson.

CURRENT SITUATION:
Currently in the Camp Johnson area there are 8 room-configured and 14 open bay barracks. Camp Johnson billeting is deficient by 1,692 manspaces.Due to current billeting deficiencies (1,692), permanent party and student Marines are being billeted in inadequate barracks. Because of limited billeting space, student Marines are being overbilleted causing overcrowded conditions. During peak usage, approximately 4,000 Marines share the same corridor for activities including commuting, physical fitness training, and recreation. A greenway trail (multi-use) is needed to provide a safe pedestrian network at Camp Johnson.

IMPACT IF NOT PROVIDED:
Marines will continue to be billeted in inadequate and overcrowded billeting.

12.Supplemental Data:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	BACHELOR ENLISTED QTRS, CAMP JOHNSON

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	72124	P151	Auth 22,340 Approp 20,340 Auth for Approp 20,340

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(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) :	$300
(A) Production of Plans and Specifications	$220
(B) All other Design Costs	$80
(C) Total	$300
(D) Contract	$80
(E) In-House	$220
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	022008

B. Equipment associated with this project which will be provided from other appropriations: None

C. FY 2004 R&M Conducted ($000): $11,058

D. FY 2005 R&M Conducted ($000): $5,903

E. Future R&M Requirements ($000):

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 Navy requirements.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	4.Project Title BACHELOR ENLISTED QTRS, CAMP JOHNSON

5.Program Element 0206496M	6.Category Code 72124	7.Project Number P151	8.Project Cost ($000) Auth 22,340 Approp 20,340 Auth for Approp 20,340

Activity POC: Larry Brant Phone No: 910-451-3034

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	ASSAULT BREACHER VEHICLE FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	21453	P1025	4,040

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ASSAULT BREACHER VEHICLE FACILITY (7,556 SF)	m2	702		1690
MAINTENANCE BUILDING (7,556 SF)	m2	702	1,743.74	(1220)
BUILT-IN EQUIPMENT	LS			(290)
TECHNICAL OPERATING MANUALS	LS			(50)
INFORMATION SYSTEMS	LS			(20)
ANTI-TERRORISM/FORCE PROTECTION	LS			(110)
SUPPORTING FACILITIES				1830
SPECIAL CONSTRUCTION FEATURES	LS			(190)
SPECIAL FOUNDATION FEATURES	LS			(170)
ELECTRICAL UTILITIES	LS			(270)
MECHANICAL UTILITIES	LS			(580)
PAVING AND SITE IMPROVEMENTS	LS			(510)
DEMOLITION	LS			(110)
SUBTOTAL				3520
CONTINGENCY (5%)				180
TOTAL CONTRACT COST				3700
SIOH (5.7%)				210
SUBTOTAL				3910
DESIGN/BUILD - DESIGN COST				140
TOTAL REQUEST ROUNDED				4050
TOTAL REQUEST				4040

10.Description of Proposed Construction

Construct a single-story maintenance facility of reinforced concrete on a pile foundation with overhead doors in high bays area, masonry walls, concrete floors, welding area, and standing seam metal roof. Built in equipment includes 1 20-ton overhead crane, fire pump, and emergency generator. Information systems include LAN and telephone, data communications, and voice communications systems. Special construction features include pile foundations, relocation of the existing loading ramp, reinforced concrete slab, and upgrade of the fuel storage capacity. Mechanical systems include plumbing, compressed air, 20-ton overhead crane, lubrication reels, oil/water separators, dehumidification and temperature conditioning, wet pipe sprinkler system, and lightning protection. Paving and site improvements include upgrading the existing wash apron to include one elevated wash rack, replacing existing asphalt with reinforced concrete parking lot able to withstand the weight of the Assault Breacher Vehicle (ABV) and concrete access from the new maintenance facility to the existing tank trail. Sustainable design features will be included in the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	ASSAULT BREACHER VEHICLE FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	21453	P1025	4,040

11.Requirement: 702m2 **Adequate:** m2 **Substandard:** m2

PROJECT:

This project constructs a new Field Maintenance Shop (Combat/Automotive/Track) and Engineering Park for 2D Combat Engineering Battalion (CEB) to accomodate the fielding of the Assault Breacher Vehicle in FY05.

(Current Mission)

REQUIREMENT:

Provide adequate and efficiently configured Maintenance Facility for 2D Combat Engineer Battalion (CEB). This facility will provide 1st, 2nd, and limited 3rd Echelon maintenance to support the fielding of the Assault Breacher Vehicle (ABV). The ABV will fill the Marine Corps requirement to conduct minefield breaching and clearing operations from the amphibious landing forward for combat maneuver elements.

CURRENT SITUATION:

The CEB maintenance facility and supporting facilities are inadequate to support the addition of the Assault Breacher Vehicle (ABV). The CEB currently provides maintenance for 200 motor transport vehicles and 120 Heavy Equipment vehicles in 4 bays. The existing bays are not wide enough to accommodate the ABV and provide work space to maintain the breacher attachment. The addition of an Aboveground Storage Tank (AST) will be required to upgrade to at least a 26,000 gallon fuel capacity. The existing parking area is asphalt and will require replacement with reinforced concrete parking and trails leading to fuel and training areas to withstand the weight of the ABV and the ABV retriever vehicle.

IMPACT IF NOT PROVIDED:

The 2nd Combat Engineer Battalion will not be able to provide the necessary maintenance for the addition of the ABV at Marine Corps Base Camp Lejeune.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	012005
(C) Date Design Completed	092005
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	ASSAULT BREACHER VEHICLE FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	21453	P1025	4,040

(A) Standard or Definitive Design:	No
(B) Where Design Was Previously Used:	
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$450
(A) Production of Plans and Specifications	$300
(B) All other Design Costs	$150
(C) Total	$450
(D) Contract	$100
(E) In-House	$350
4. Contract Award	112005
5. Construction Start	122005
6. Construction Complete	042007

B. Equipment associated with this project which will be provided from other appropriations: None

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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Larry Brant Phone No: 910-451-3034

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	ASSAULT BREACHER VEHICLE FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	21453	P1025	4,040

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	MESS HALL, COURTHOUSE BAY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	72210	P1030	11,840

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
MESS HALL, COURTHOUSE BAY (21,840 SF)	m2	2,029		6210
DINING FACILITY (21,840 SF)	m2	2,029	2,533.05	(5140)
BUILT-IN EQUIPMENT	LS			(260)
TECHNICAL OPERATING MANUALS	LS			(140)
INFORMATION SYSTEMS	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(620)
SUPPORTING FACILITIES				4090
ENVIRONMENTAL PROTECTION	LS			(220)
SPECIAL FOUNDATION FEATURES	LS			(170)
ELECTRICAL UTILITIES	LS			(280)
MECHANICAL UTILITIES	LS			(1020)
PAVING AND SITE IMPROVEMENTS	LS			(2000)
DEMOLITION	LS			(300)
ANTI-TERRORISM/FORCE PROTECTION	LS			(100)
SUBTOTAL				10300
CONTINGENCY (5%)				520
TOTAL CONTRACT COST				10820
SIOH (5.7%)				620
SUBTOTAL				11440
DESIGN/BUILD - DESIGN COST				400
TOTAL REQUEST ROUNDED				11840
TOTAL REQUEST				11840

10.Description of Proposed Construction

Construct a single story reinforced concrete masonry unit (CMU) Enlisted Dining Facility, with reinforced concrete foundation and floors, structural steel framing and standing seam metal roof. Dining Facility shall also include a drive-up window for food distribution. Interior finishes to be carpeting/vinyl composition tile, suspended acoustical/painted wallboard ceilings. Special foundation features include a pile foundation. Electrical systems include fire alarms, exterior site and building lighting, back-up generator, and information systems. Mechanical systems include plumbing, fire protection systems, heating ventilation and air conditioning. Electrical utilities include site and building utility connections (water, sanitary and storm sewers, electrical, telephone, Local Area Network (LAN), and Cable Television (CATV)). Paving and site improvements include pavement striping, directional signage, concrete sidewalks, curbs and gutters, paved and lighted parking, earthwork, grading and landscaping. Also included is a pedestrian access trail to and from the Barracks to the dining facility. Project also includes Technical Operating Manuals and Anti-Terrorism/Force Protection features, environmental mitigation, demolition of an existing facility including necessary asbestos and lead removal, and the demolition of a 250,000 gallon elevated water storage tank (BBY-7) and appurtenances. Sustainable features will

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	4.Project Title MESS HALL, COURTHOUSE BAY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	72210	P1030	11,840

be included in the design, developement, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders.

11.Requirement: 2029m2 **Adequate:** m2 **Substandard:** m2

PROJECT:

Constructs a centrally located enlisted dining facility in order to provide cafeteria-style dining for regular meals, short-order meals, and fast food service to support approximately 2200 permanent party and student Marines assigned to Marine units and Marine Corps Engineering School at Courthouse Bay.

(Current Mission)

REQUIREMENT:

Provide an enlisted dining facility for Marines and Sailors and Coast Guardsmen assigned to Courthouse Bay area. The construction replaces a 60-year old structure that has structural damage and excessive maintenance costs and eliminates an existing safety hazard from flooding during heavy rains.

CURRENT SITUATION:

The existing 60-year-old mess hall, built in 1942, is only operating as a result repeated and costly maintenance efforts. Continuous maintenance problems include steam leaks, water leaks from the brick walls, and roof leaks. The leaking has damaged studs, sheetrock, and tile and has been a recurring problem since 1996. The excess moisture has caused the lead paint to peel in large amounts. Due to the poor drainage of the site and settling of the building, there are cracks that allow water to seep in from the surrounding area and flood the building. Recent repairs have revealed the deterioration of metal studs and gypsum sheathing causing a shift of the roof load to the brick veneer. The additional roof load, and the shock to the building from the nearby Demolition Range has resulted in failure of the brick veneer.

IMPACT IF NOT PROVIDED:

Further building deterioration and escalating maintenance costs will continue to limit the quality of food service provided. The infiltration of water during heavy rains, structural damage and infiltration of water in the floors and walls could could result in temporary closing of the facility or cause sifnificant sanitary concerns as water leaks into food storage areas.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	012005

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	MESS HALL, COURTHOUSE BAY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	72210	P1030	11,840

(C) Date Design Completed		092005
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(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) :		$380
(A) Production of Plans and Specifications		$300
(B) All other Design Costs		$80
(C) Total		$380
(D) Contract		$80
(E) In-House		$300
4. Contract Award		012006
5. Construction Start		042006
6. Construction Complete		082007

B. Equipment associated with this project which will be provided from other appropriations: None

C. FY 2004 R&M Conducted ($000):
D. FY 2005 R&M Conducted ($000):
E. Future R&M Requirements ($000):

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 Navy requirements.

Activity POC: Larry Brant Phone No: 910-451-3034

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	MESS HALL, COURTHOUSE BAY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	72210	P1030	11,840

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	MULTI-PURPOSE MACHINE GUN RANGE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	17940	P034	Auth 6,370 Approp 5,370 Auth for Approp 5,370

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
MULTI-PURPOSE MACHINE GUN RANGE	LS			1190
WALK-IN FOXHOLE	EA	4	7,849.41	(30)
FIRING BERM WITHOUT FOXHOLE	EA	6	6,652.89	(40)
FIRING POSITION	EA	2	44,508.49	(90)
POWER CENTER EMPLACEMENT	EA	3	10,199.40	(30)
RANGE CONTROL TOWER (248 SF)	m2	23	8,146.29	(190)
AMMUNITION BREAKDOWN BUILDING (775 SF)	m2	72	814.48	(60)
COVERED MESS (775 SF)	m2	72	814.48	(60)
FIELD SERVICE HEAD (355 SF)	m2	33	2,954.25	(100)
COVERED BLEACHER ENCLOSURE (592 SF)	m2	55	1,326.22	(70)
SIT EMPLACEMENT	EA	180	1,633.55	(290)
TARGET STORAGE BUILDING (775 SF)	m2	72	749.68	(50)
OPERATIONAL/STORAGE FACILITY (797 SF)	m2	74	1,062.53	(80)
GENERAL INSTRUCTION BUILDING (797 SF)	m2	74	1,069.11	(80)
TECHNICAL OPERATING MANUALS	LS			(20)
SUPPORTING FACILITIES				4350
ELECTRICAL UTILITIES	LS			(1630)
MECHANICAL UTILITIES	LS			(460)
PAVING AND SITE IMPROVEMENTS	LS			(970)
SITE PREPARATIONS	LS			(1250)
ENVIRONMENTAL MITIGATION	LS			(40)
SUBTOTAL				5540
CONTINGENCY (5%)				280
TOTAL CONTRACT COST				5820
SIOH (5.7%)				330
SUBTOTAL				6150
DESIGN/BUILD - DESIGN COST				220
FINANCED FROM PRIOR YEARS	LS			-1000
TOTAL REQUEST ROUNDED				5370
TOTAL REQUEST				5370
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(716)

10.Description of Proposed Construction

Construction consist of 14 firing positions on a raised ten position firing line and 180 Stationary Infantry Targets. Facilities to be constructed consist of the following: control tower, field service heads, operations/storage building, general instruction building, ammunition breakdown building, covered bleacher enclosure, target storage building, covered mess, vehicular holding areas, weapons calibration area, target emplacements. Technical operating manuals will also be included. Electrical utilities include telephone distribution, secondary power and data distribution system, down range

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	4.Project Title MULTI-PURPOSE MACHINE GUN RANGE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	17940	P034	Auth 6,370 Approp 5,370 Auth for Approp 5,370

electrical, fiber optic and tower fiber optic cabling. Mechanical utilities include water distribution and sanitary sewer systems. Paving and site improvements include service roads, downrange grading and drainage, lane markers, and heavy duty pipe gates. Site preparations include clearing and rear area (behind the firing line) site and utility preparation. Environmental mitigation includes wetlands mitigation and herbicide treatment. Sustainable features have been included in the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders.

11.Requirement: 127m2 **Adequate:** m2 **Substandard:** m2

PROJECT:
This project will provide one multi-purpose machine gun range with 14 firing points, and associated support facilites.

(Current Mission)

REQUIREMENT:
Adequate and realistic combat training range for Marine machine gun teams. The range will support live-fire and maneuver for both ground and vehicular mounted machine guns with static and moving targets and performance feedback, which measures the effectiveness of training.

CURRENT SITUATION:
A deficiency exists for automated machine gun ranges capable of supporting 7.62mm and .50 caliber machine gun live fire and maneuver training requirements. Range facilities of this type are needed to support the training of the School of Infantry and II MEF operating forces. Currently, .50 caliber machine gun qualification training cannot be accomplished and machine gun teams do not receive the performance feedback provided by Electronic Target System. Current training does not satisfy all the Individual Training Standards and Mission Essential Task Lists.

IMPACT IF NOT PROVIDED:
Combat readiness and live fire proficiency will continue to be negatively impacted by the lack of adequate ranges for machine gun teams.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	MULTI-PURPOSE MACHINE GUN RANGE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	17940	P034	Auth 6,370 Approp 5,370 Auth for Approp 5,370

(C) Date Design Completed		042006
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(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:		Yes
(B) Where Design Was Previously Used:		FY96 P028 MCB Camp Lejeune0120
3. Total Cost (C) = (A) + (B) = (D) + (E) :		$250
(A) Production of Plans and Specifications		$200
(B) All other Design Costs		$50
(C) Total		$250
(D) Contract		$50
(E) In-House		$200
4. Contract Award		012006
5. Construction Start		032006
6. Construction Complete		042007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
STATIONARY INFANTRY TARGETS	PMC	2007	$716

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 Navy requirements.

Activity POC: Larry Brant Phone No: 910-451-3034

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M67001	4.Project Title
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	MULTI-PURPOSE MACHINE GUN RANGE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	17940	P034	Auth 6,370 Approp 5,370 Auth for Approp 5,370

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M00146	4.Command	5.Area Const Cost Index
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	Commandant of the Marine Corps	.96

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	51	104	994	0	0	0	0	0	0	1149
b. End FY 2011	56	141	994	0	0	0	0	0	0	1191

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(13,149 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	656,545
c.	AUTHORIZATION NOT YET IN INVENTORY.....	5,942
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	6,997
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	10,420
f.	PLANNED IN NEXT THREE PROGRAM YEARS	53,222
g.	REMAINING DEFICIENCY	208,875
h.	**GRAND TOTAL .....**	**942,001**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
42122	HIGH EXPLOSIVE MAGAZINES	1082 m2	5107	09/2003	04/2006
91110	AICUZ LAND ACQUISITION	2400 AC	1890	09/2003	09/2005
	TOTAL		6997		

9. Future Projects:

a.Included In The Following Program:

21105	FACILITIES AND FACILITIES UPGRADES FOR F/A-18E	13231.6 M2	8500
21560	ORD FIELD MAINT/OPS BUILDING	493 m2	1920
	TOTAL		10420

b.Major Planned Next Three Years:

21451	MACS-2 OPERATIONS & MAINTENANCE	2187 M2	5748
61010	CONSOLIDATED ADMINISTRATIVE FACILITY	4181 M2	12476
74044	PHYSICAL FITNESS CENTER	6160 M2	8517
14345	ARMORY	LS	4990
14345	ARMORY	2301 M2	5031
21451	MOTOR TRANSPORT/COMMUNICATION SHOP	1981 M2	7337
14915	COMM POWER/CARGO REFUELER	6 EA	2448
21910	FACILITIES MAINTENANCE SHOPS	5241.94 M2	6675
	TOTAL		53222

c.R&M Unfunded Requirement ($000): 17,630

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: M00146 MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	4.Command Commandant of the Marine Corps	5.Area Const Cost Index .96

10. Mission or Major Functions:

Maintain and operate facilities and provide services and materials to support the operations of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00146	4.Project Title
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	HIGH EXPLOSIVE MAGAZINES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	42122	P720	5,107

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
HIGH EXPLOSIVE MAGAZINES (11,647 SF)	m2	1,082		2360
TYPE "E" MAGAZINE (5,823 SF)	m2	541	2,177.21	(1180)
TYPE "E" MAGAZINE (5,823 SF)	m2	541	2,177.21	(1180)
SUPPORTING FACILITIES				2080
SPECIAL CONSTRUCTION FEATURES	LS			(50)
SPECIAL FOUNDATION FEATURES	LS			(400)
ELECTRICAL UTILITIES	LS			(420)
MECHANICAL UTILITIES	LS			(40)
PAVING AND SITE IMPROVEMENTS	LS			(980)
ENVIRONMENTAL MITIGATION	LS			(190)
SUBTOTAL				4440
CONTINGENCY (5%)				220
TOTAL CONTRACT COST				4660
SIOH (5.7%)				270
SUBTOTAL				4930
DESIGN/BUILD - DESIGN COST				180
TOTAL REQUEST ROUNDED				5110
TOTAL REQUEST				5107
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(200)

10.Description of Proposed Construction

Construct two single-story reinforced concrete box Type 'E', standard earth-covered magazines. Special construction features include dividing walls. Special foundation features include pile foudation. Electrical utilities include lighting , communications, and electrical distribution. Mechanical utilities include storm sewer piping and manholes. Paving and site improvements include concrete pavement, fencing, topsoil and seeding. Environmental mitiagation for wetlands is also included. Sustainable features will be included in the design, development, and construction for the project in accordance with Executive Order 13123 and other laws and executive orders.

11.Requirement: 1082m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

Provide two earth covered box Type "E" magazine with three storage bays each for storage of Class/Division (C/D) 1.1 Ammunition and explosives.

(Current Mission)

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00146	4.Project Title
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	HIGH EXPLOSIVE MAGAZINES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	42122	P720	5,107

REQUIREMENT:

To improve safety and eliminate Department of Defense Explosive Safety Board (DDESB) exemptions and to relocate ordnance out of an ammunition and explosive prohibited area located within approach and departure zones of Runway 14/32, currently in violation of NAVSEA OP-5, Rev. 7. Project will also eliminate incompatible storage of mixed ammunition and to provide a safe and more efficient working environment.

CURRENT SITUATION:

At present, MCAS Cherry Point is operating under two exemptions. Exemption EIB-76 permits mixed compatibility storage of the contingency plan ammunition and pryotechnics in six of the Station's magazines (Buildings 1260-1265) in support of II Marine Expeditionary Force (MEF) Camp Lejeune, North Carolina. The ammunitions and explosives must be stored in incompatible mode due to the limited space available and the need to centralize the increments for shipment to the Combat Aircraft Loading Area (CALA). All items within these magazines are bulk stowed with limited aisle space which requires significant movement of explosive materials in order to facilitate inspections, renovations, or change out due to Notice of Ammunition Reclassification (NAR'S). There is no lighting available for night time operations for these magazines. All of the magazines are equipped with door barricades in order to reduce the damaging effects of explosion, fire, and fragments. This coupled with the small size of the doors significally impacts the ordnance workers operational capability to safely extract ammunition and explosive in a timely manner. No handling and loading pads are available for forklift operations, staging, and truck loading efforts. Existing roads are narrow and not suitable for high tempo operational situations and which create a hazardous environment during confined loading. Exemption E2-79 permits temporary storage of C/D 1.3/1.4 munitions which are located in the ammunition & explosive prohibited area at the end of Runway 14/32. The Naval Ordnance Center has issued a special authorization allowing mixed storaged of the above assets due to the lack of available separate storage space.

IMPACT IF NOT PROVIDED:

MCAS Cherry Point will be required by DDESB to either discontinue use of R/W 14/32, or remove all ordnance from the existing magazines. The closure of Runway 14/32, which is a designated instrument runway, would increase the complexity of aircraft controlling factors and require extensive overflight of city zoned residential areas. Station ordnance personnel will continue to work in adverse conditions increasing the risk of injury and/or potential for explosive mishaps in support of II MEF ordnance operations.

12.Supplemental Data:

A. Estimated Design

1. Status:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00146	4.Project Title
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	HIGH EXPLOSIVE MAGAZINES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	42122	P720	5,107

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2002	3%
(E) Percent Completed as of JANUARY 2003	3%
(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:	Yes
(B) Where Design Was Previously Used:	MCAS Cherry Point - P075
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$240
(A) Production of Plans and Specifications	$200
(B) All other Design Costs	$40
(C) Total	$240
(D) Contract	$40
(E) In-House	$200
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	052006

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrusion Detection System	PMC	2006	$200

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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Mr. Gerald Frazier Phone No: 252-466-4771

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00146	4.Project Title
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	HIGH EXPLOSIVE MAGAZINES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	42122	P720	5,107

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00146	4.Project Title
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	AICUZ LAND ACQUISITION

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	91110	P124	1,890

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AICUZ LAND ACQUISITION	AC	2,400		1700
ACCIDENT POTENTIAL ZONE (APZ)	AC	2,400	675.74	(1620)
LEGAL SERVICES	LS			(80)
SUPPORTING FACILITIES				
SUBTOTAL				1700
CONTINGENCY (5%)				90
TOTAL CONTRACT COST				1790
SIOH (5.7%)				100
SUBTOTAL				1890
TOTAL REQUEST ROUNDED				1890
TOTAL REQUEST				1890

10.Description of Proposed Construction

Acquisition of interests in approximately 2,400 acres of land located near Runway 32L, within the Air Installations Compatible Use Zones (AICUZ).

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 2400 **Adequate:** **Substandard:**

PROJECT:

Acquisition of interests in approximately 2,400 acres of land located near Runway 32L, within the AICUZ.

(Current Mission)

REQUIREMENT:

To maintain the operational integrity of the air station by discouraging land uses which are incompatible with aircraft operations. This mission requires sufficient land surrounding the air station to protect the health, safety, and welfare of civilians and military personnel by discouraging land uses that are incompatible with aircraft operations and also protecting Marine Corps installation investments by safeguarding the operational capabilities of the installation from encroachment. The acquisition of interests on these parcels of land ensures land uses compatible with the current AICUZ study and minimizes the threat of unexpected law suits by future land owners.

CURRENT SITUATION:

MCAS Cherry Point is the host activity for several commands including four EA-6B squadrons, four AV-8B squadrons (one training), and a KC-130 squadron, assigned to Marine Aircraft Group (MAG) 14. MCAS Cherry Point lies within the political influence of

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00146	4.Project Title
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	AICUZ LAND ACQUISITION

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	91110	P124	1,890

Craven County and the City of Havelock. The City of Havelock annexed MCAS Cherry Point in 1979. The acquisition area lies within the unincorporated area of Craven County. The air station has an existing AICUZ Plan which the county has adopted. Comparing existing land use to permitted use under current conditions is cause for concern, when maintaining the operational integrity of MCAS Cherry Point is considered. The liberal allocation of residential districts and the broad range of uses permitted within these districts create a potential condition for serious encroachment within the airfield environment. Tall trees in one privately owned parcel penetrate the runway's 7:1 Transitional Surface.

IMPACT IF NOT PROVIDED:
Unrestricted development in AICUZ will lead to complaints, eventually forcing the Air Station to curtail operations. For accidents resulting from additional development, MCAS Cherry Point could have additional off-base liability and also have its ability to conduct required missions endangered. The acquisition of interests in all lands in the AICUZ guarantees MCAS Cherry Point full and perpetual rights to property control. The existing zoning of Craven County is not consistent with the AICUZ plan and continued unencumbered operations at MCAS Cherry Point.

12.Supplemental Data:

A. Estimated Design	
1. Status:	
(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	012005
(C) Date Design Completed	092005
(D) Percent Completed as of SEPTEMBER 2004	2%
(E) Percent Completed as of JANUARY 2005	35%
(F) Type of Design Contract	Other
(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) :	$370
(A) Production of Plans and Specifications	$
(B) All other Design Costs	$370
(C) Total	$370
(D) Contract	$340
(E) In-House	$30

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00146	4.Project Title
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	AICUZ LAND ACQUISITION

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	91110	P124	1,890

4. Contract Award	112005
5. Construction Start	122005
6. Construction Complete	122006

B. Equipment associated with this project which will be provided from other appropriations: None

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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Mr. Jim Woods Phone No: 252-466-4769

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00146	4.Project Title
MARINE CORPS AIR STATION CHERRY POINT, NORTH CAROLINA	AICUZ LAND ACQUISITION

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	91110	P124	1,890

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N65923 NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	4.Command Commander Navy Installations	5.Area Const Cost Index .96

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
03/30/04	51	104	994	0	0	0	0	0	0	1149
b. End FY 2011	56	141	994	0	0	0	0	0	0	1191

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	7,540
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	20,150
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,440
f.	PLANNED IN NEXT THREE PROGRAM YEARS	5,966
g.	REMAINING DEFICIENCY	3,345
h.	**GRAND TOTAL .....**	**49,441**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
21134	V-22 PROP ROTOR BLADE REPAIR FACILITY	1361.3 m2	4760	09/2003	09/2005
21134	V22 GEARBOX REPAIR & TEST FACILITY	3315 m2	15390	09/2003	09/2005
	TOTAL		20150		

9. Future Projects:

a.Included In The Following Program:

61010	ENGINEERING PRODUCT SUPPORT FACILITY	3641 m2	12440
	TOTAL		12440

b.Major Planned Next Three Years:

*83141	HAZARDOUS WASTE STORAGE & TRANSFER FACILITY	2234.3 M2	5966
	TOTAL		5966

c.R&M Unfunded Requirement ($000): 0

10. Mission or Major Functions:

The depot provides extensive maintenance and engineering support to Navy and Marine Corps aviation, as well as other armed services, federal agencies and foreign governments. All program elements within the life cycle of a weapon system are represented at NADEP Cherry Point. In addition, a wide range of depot services are performed.

The depot is the Navy's center of excellence for rotary wing aircraft and provides engineering and logistics support for all Navy helicopters. The depot's Naval Engine Airfoil Center is the Navy's "Focused Factory," constructed and staffed to develop and

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location: N65923 NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	4.Command Commander Navy Installations	5.Area Const Cost Index .96

accomplish unique DoD and Department of Navy repairs on jet engine gas path components.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 5966

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N65923	4.Project Title
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	V22 ROTOR BLADE REPAIR FAC

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21134	P986	4,760

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
V22 ROTOR BLADE REPAIR FAC (14,653 SF)	m2	1,361.3		2650
V-22 PROP ROTOR BLADE BLDG (10,000 SF)	m2	929	1,772.75	(1650)
NMCI/TELECOMMUNICATIONS CENTER (100 SF)	m2	9.3	1,552.70	(10)
HAZ WASTE STORAGE BLDG (1,352 SF)	m2	125.6	1,486.10	(190)
HAZ WASTE STORAGE SHELTER (3,201 SF)	m2	297.4	577.16	(170)
BUILT-IN EQUIPMENT	LS			(470)
TECHNICAL OPERATING MANUALS	LS			(50)
INFORMATION SYSTEMS	LS			(90)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
SUPPORTING FACILITIES				1640
SPECIAL CONSTRUCTION FEATURES	LS			(90)
ELECTRICAL UTILITIES	LS			(450)
MECHANICAL UTILITIES	LS			(520)
DEMOLITION	LS			(110)
ENVIRONMENTAL MITIGATION	LS			(180)
PAVING & SITE IMPROVEMENTS	LS			(290)
SUBTOTAL				4290
CONTINGENCY (5%)				210
TOTAL CONTRACT COST				4500
SIOH (5.7%)				260
SUBTOTAL				4760
TOTAL REQUEST ROUNDED				4760
TOTAL REQUEST				4760
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4793)

10.Description of Proposed Construction

Construct a V-22 Prop Rotor Blade Repair Facility. Construct a hazardous waste storage building and a hazardous waste storage shelter. Built-in equipment will include five 1-ton bridge crane rails, an exhaust collection, filtration and recovery system, a bonding room vacuum system, compressor system, dry pipe sprinkler system, rooftop mechanical equipment, and information system heating, ventilation, and air conditioning system.

Supporting facilities will include the demolition of 60 year old Building 134, totaling 125 square meters (1,345 square feet), and its adjoining sheltered berm, totaling 299 square meters (3,219 square feet) which combined are a deteriorated, antiquated hazardous waste storage facility that occupies the proposed construction site for the new V-22 blade facility. Environmental mitigations will include provisions for storm water control and contaminated soil removal. Special construction features will include land pilings, explosion proofing, and a static balance fixture isolation pad. Sustainable design will be integrated into the design , development, and construction of the project.

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N65923 NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	4.Project Title V22 ROTOR BLADE REPAIR FAC

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21134	P986	4,760

11.Requirement: 1361m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:
This project constructs a permanent V-22 Prop/Rotor Blade Facility and includes the demolition and replacement construction of a 60 year old hazardous waste building/shelter.
(New Mission)

REQUIREMENT:
Permanent facilities are required to provide for depot level maintenance and repair capabilities on the V-22 Prop /Rotor Blades. The V-22 Program Manager Aircraft (PMA) is procuring $4.6 MIL of special Support Equipment (SE) specifically for this requirement, which must be installed in this facility.

The Government Support Date (GSD) for the V-22 is Jan 2010, when the depot must be fully capable of performing depot-level repairs. Meeting the required GSD will require that this facility be constructed no later than January 2009 so that there is at least one year available before the GSD to install all equipment, ensure everything works as planned, and begin and successfully complete the depot capability establishment process (train artisans, develop work procedures, produce prototype blade/rotor repairs).

This facility will house two new major pieces of equipment required for depot capability. The first is a Static Balance Fixture which is required to provide precision support, alignment, and measured and recorded weight/balance data to maintain blade assembly balance. The second is an Abrasion Strip Fixture that is required to apply heat and pressure to the blade assembly leading edge abrasion strip during the bonding process.

CURRENT SITUATION:
Other than Bell Helicopter's manufacturing plant in Fort Worth, Texas, there are no other facilities in existence that have the capability to repair and static balance the V-22 Prop Rotor Blades. The Navy expects to contract with Bell to perform needed repairs until FY2009, after which schedules require Bell to concentrate solely on manufacturing new aircraft, and repairs to be done at NAVAIRDEPOT Cherry Point. Neither NAVAIRDEPOT Cherry Point nor it's host station MCAS Cherry Point have facilities available to accommodate this requirement. Therefore, a new repair facility is required to be constructed by January 2009, and equipment installed and capability established by January 2010, to avoid jeopardizing fleet readiness.

IMPACT IF NOT PROVIDED:
Without this facility, NAVAIRDEPOT Cherry Point will not be capable of repairing the V-22 prop /rotor blades. V-22 logistics plans call for aircraft production to be at a lower rate FY2004-2007, which allows for the planned, concurrent repairs at Bell-Boeing.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N65923	4.Project Title
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	V22 ROTOR BLADE REPAIR FAC

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21134	P986	4,760

By 2010 when Cherry Point is required to be capable, the new aircraft schedule will have increased to its full annual rate, and there is expected to be little available capacity for repairs at Bell-Boeing.

Without a new facility, the $4.6M of support equipment being procured cannot be accommodated. Without depot capability to repair the V-22 prop rotor blades, fleet readiness for the Marine Corps, Air Force, and Navy will be adversely impacted, and the cost for repairs to the Fleet will be considerably higher as commercial labor rates are substantially higher than NAVAIRDEPOT Cherry Point's.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092003
(B) Date 35% Design or Parametric Cost Estimate Complete		012005
(C) Date Design Completed		092005
(D) Percent Completed as of	SEPTEMBER 2003	2%
(E) Percent Completed as of	JANUARY 2004	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:	Not Applicable

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$343
(A) Production of Plans and Specifications	$257
(B) All other Design Costs	$86
(C) Total	$343
(D) Contract	$214
(E) In-House	$129
4. Contract Award	112005
5. Construction Start	122005
6. Construction Complete	042008

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

Equipment Nomenclature	Procuring Appropriation	Cost ($000)

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N65923	4.Project Title
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	V22 ROTOR BLADE REPAIR FAC

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21134	P986	4,760

		Fiscal Year Appropriated Or Requested	
Telecommunications/LAN/NMCI Equip	NWCF	2008	$80
V-22 Blade Balance/Abrasion Strip Fixtures	APN	2006	$2,194
V-22 Collateral Equipment	APN	2006	$2,381
Hoists (1-ton Bridge Cranes & Installation)	NWCF	2006	$138

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, and location are incompatible with use by other components.

Activity POC: Willian H. Livingston Phone No: 252-464-9520

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N65923	4.Project Title
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	V22 GEARBOX REPAIR & TEST FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21134	P985	15,390

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
V22 GEARBOX REPAIR & TEST FACILITY (35,682 SF)	m2	3,315		8270
GEARBOX REPAIR (15,231 SF)	m2	1,415	1,717.19	(2430)
LOW LEVEL RADIOACTIVE WASTE SHED (1,001 SF)	m2	93	666.36	(60)
NMCI/TELECOMMUNICATIONS CENTER (301 SF)	m2	28	1,556.33	(40)
GEARBOX TESTING (8,008 SF)	m2	744	3,945.43	(2940)
HYDRAULIC REPAIR (2,982 SF)	m2	277	1,970.87	(550)
JET ENGINE REPAIR (7,050 SF)	m2	655	1,884.68	(1230)
ENGINE TEST AIR COMPRESSOR (1,109 SF)	m2	103	447.61	(50)
BUILT-IN EQUIPMENT	LS			(590)
TECHNICAL OPERATING MANUALS	LS			(130)
INFORMATION SYSTEMS	LS			(210)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
SUPPORTING FACILITIES				5600
SPECIAL CONSTRUCTION FEATURES	LS			(400)
ELECTRICAL UTILITIES	LS			(1840)
MECHANICAL UTILITIES	LS			(1840)
PAVING AND SITE IMPROVEMENTS	LS			(550)
DEMOLITION	LS			(500)
ENVIRONMENTAL MITIGATION	LS			(470)
SUBTOTAL				13870
CONTINGENCY (5%)				690
TOTAL CONTRACT COST				14560
SIOH (5.7%)				830
SUBTOTAL				15390
TOTAL REQUEST ROUNDED				15390
TOTAL REQUEST				15390
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(45983)

10.Description of Proposed Construction

1) Construct a new 2,159 square meter (23,239 square feet) Gearbox Repair and Test Facility consisting of a single story, high bay addition to the existing Power Plant Facility, Bldg 133. Built-in equipment shall include Telecommunication heating, ventilation and air conditioning (HVAC) system, two three-ton overhead bridge crane railing subsystem, three ten-ton overhead bridge crane railing subsystem, and one thirty-ton overhead bridge crane railing subsystem.

(2) Construction of a new 277 square meter (2,982 square feet) single story, high bay Hydraulic Testing Facility addition to the existing Power Plant Facility, Bldg. 133.

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N65923 NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	4.Project Title V22 GEARBOX REPAIR & TEST FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21134	P985	15,390

(3) Construction of a separate 655 square meter (7,050 square feet) single story, high bay facility to replace the existing Jet Engine Disassembly Facility, Bldg. 421. Built-in equipment shall include two bridge crane railing subsystems, each with capacity for two three ton hoists and Telecommunication HVAC system.

(4) Construction of a separate 103 square meter (1,109 square feet) single story facility to replace an existing Air Compressor Facility, (Bldg. 4057).

(5) Construction of a separate 93 square meter (1,000 square feet) single story pre-engineered metal shed to replace an existing canopy to be demolished at the V-22 Gearbox Repair & Test Facility site. This shed is used for the storage of low-level radioactive waste. Built-in equipment will include Two overhead bridge crane railing subsystems, with the capacity of two (2) three (3) ton overhead bridge cranes each.

All facilities shall include anti-terriorism/force protection measures.

Supporting facilities include the following: (a) demolition of a 514 square meter (5,533 square feet) Jet Engine Disassembly Facility Building 421(Built in 1944), demolition of a 103 square meter (1,109 square feet) Compressed Air Facility, demolition of a 54 square meter (580 square feet) old Demountable F-402 Test Cell (Built in 1968), demolition of a 279 square meter (3,000 square feet) shelter, Bldg. 4528, and removal of their utilities/ foundations and the sites cleared, relocation truck scales, replacement of JP-5 test fuel supply tank/lines, replacement of a supply tank with sheltered berm and replacement of associated oil-water separator, to facilitate vehicular access and movement of large components into Building 133's engine test cells.

In accordance with Executive Order 13123 and 13101, this facility will be designed using sustainable development principles.

11.Requirement: 3315m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

This project constructs a V-22 Gearbox Repair and Testing Facility addition and a 5,000 PSI Hydraulic Testing Facility addition to Power Plant Facility for support of the new V-22 Osprey.

(New Mission)

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N65923 NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	4.Project Title V22 GEARBOX REPAIR & TEST FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21134	P985	15,390

REQUIREMENT:

Construction of the new V-22 Gearbox Repair And Testing Facility addition is required to be finished by October 2008 so that the gearbox test stand equipment can be installed and made operational by January 2009. Cherry Point has been designated as the Depot Repair Point (DRP) for the V-22's unique tilt-rotor gearboxes and 5,000-PSI hydraulic components. NAVAIRDEPOT will begin receiving hydraulic test equipment in July 2005 to test various hydraulic components on the V-22 with no facilities to support these requirements. At least six months is necessary to install three massive, 50-ft high gearbox test stands, and ensure they work properly (est. July 2008-Jan 2009). Another year will be required for the NAVAIRDEPOT to begin and successfully complete the capability establishment process (train artisans, develop work procedures and processes; and produce prototype gearboxes) (est. Jan 2009 - Jan 2010).

Although V-22 Bell Helicopter is currently providing for repairs on V-22 gearboxes, their capacity will be saturated by the start of FY2010. The NAVAIRSYSCOM Program Manager Aircraft (PMA) has budgeted $44 MILLION of V-22 support equipment in FY04 and FY05 specifically for these requirements. New facilities must be constructed to accommodate this new equipment and to establish the unique testing capabilities required in performing depot level maintenance and repairs by the Government Support Date of January 2010.

CURRENT SITUATION:

There are a total of five gearboxes for the V-22 Osprey, costing roughly $3M combined. NAVAIRDEPOT does not currently have the organic capability to test/repair V-22 gearboxes and hydraulic components, nor does any other government agency. Bell Helicopter is the only company that has the unique testing capabilities for the V-22 gearboxes, and their existing test stands were constructed in support of manufacturing requirements. Therefore, Bell Helicopter is projecting by FY2010, that their existing test stands will be required solely to support production schedules, and that additional testing capacity will be required prior to the Government Support Date (GSD) of January 2010. The host Marine Corps Air Station (MCAS) Cherry Point is also unable to provide adequate space in support of these requirements, necessitating new construction.

IMPACT IF NOT PROVIDED:

Without these additional facilities, the Naval Aviation Depot Cherry Point will not be able to perform the required depot level maintenance and repairs on V-22 gearboxes and hydraulic components. Without new facilities, the $44 MIL of peculiar support equipment can not be accommodated.

Because there is a known gearbox capacity shortfall at the V-22 OEM (Bell-Boeing), failure to build these required facilities on schedule will leave the Navy with no

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N65923	4.Project Title
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	V22 GEARBOX REPAIR & TEST FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21134	P985	15,390

repair capability by late 2010.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092003
(B) Date 35% Design or Parametric Cost Estimate Complete		012005
(C) Date Design Completed		092005
(D) Percent Completed as of	SEPTEMBER 2004	2%
(E) Percent Completed as of	JANUARY 2005	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:	N/A

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$1,110
(A) Production of Plans and Specifications	$830
(B) All other Design Costs	$280
(C) Total	$1,110
(D) Contract	$690
(E) In-House	$420
4. Contract Award	112005
5. Construction Start	122005
6. Construction Complete	042008

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
V-22 Gearbox Test Stands (3 each)	APN	2005	$19,475
V-22 Gearbox Collateral Equipment	APN	2005	$7,498
	NWCF	2007	$400

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N65923	4.Project Title
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	V22 GEARBOX REPAIR & TEST FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21134	P985	15,390

Telecomm/LAN/NMCI Equip & NMCI connectiv. costs

V-22 STS Hydraulic Test Stands (4 each)	APN	2004	$9,350
V-22 STS Hydraulic Test Stand Collateral Equipment	APN	2004	$7,704
3 Ton Overhead Bridge Crane Eq.(6)	APN	2005	$276
10 Ton Overhead Bridge Crane Eq.(3)	APN	2005	$765
30 Ton Overhead Bridge Crane Eq. (1)	APN	2005	$515

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, and location are incompatible with use by other components.

Activity POC: Christopher J. Randall Phone No: 252-464-7670

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N65923	4.Project Title
NAVAL AVIATION DEPOT CHERRY POINT, NORTH CAROLINA	V22 GEARBOX REPAIR & TEST FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21134	P985	15,390

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA	4.Command Commandant of the Marine Corps	5.Area Const Cost Index .96

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	31	322	142	0	232	0	618	4452	215	6012
b. End FY 2011	29	213	140	116	349	0	655	4502	372	6376

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	54,794
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	2,530
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	22,833
f.	PLANNED IN NEXT THREE PROGRAM YEARS	10,260
g.	REMAINING DEFICIENCY	26,571
h.	**GRAND TOTAL .....**	**116,988**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
73025	MAIN GATE SECURITY UPGRADES	985 m2	2530	09/2003	09/2005
	TOTAL		2530		

9. Future Projects:

a.Included In The Following Program:

21105	AIRCRAFT MAINTENANCE HANGAR	7290 M2	22833
	TOTAL		22833

b.Major Planned Next Three Years:

17955	COMBAT TRAINING TANK	LS	3814
21105	AIRCRAFT HANGAR ADDITION (AS3905)	0 LS	6446
	TOTAL		10260

c.R&M Unfunded Requirement ($000): 9,370

10. Mission or Major Functions:

Provides facilities, services, and material necessary to support major rotary wing elements of a Marine Aircraft Wing, including aircraft maintenance and air traffic control, operation and maintenance of outlying fields and confined area landing sites necessary for the operational training of helicopter air crews.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA	4.Command Commandant of the Marine Corps	5.Area Const Cost Index .96

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M62573	4.Project Title
MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA	MAIN GATE SECURITY UPGRADES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	73025	P663	2,530

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
MAIN GATE SECURITY UPGRADES (10,602 SF)	m2	985		1420
GATE HOUSE (603 SF)	m2	56	1,623.40	(90)
PASS/ID CENTER (3,197 SF)	m2	297	1,855.68	(550)
WEATHER SHELTERS (3) (6,803 SF)	m2	632	346.61	(220)
BUILT-IN EQUIPMENT	LS			(490)
TECHNICAL OPERATING MANUALS	LS			(20)
INFORMATION SYSTEMS	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(0)
SUPPORTING FACILITIES				870
SPECIAL FOUNDATION FEATURES	LS			(30)
ELECTRICAL UTILITIES	LS			(520)
MECHANICAL UTILITIES	LS			(70)
PAVING AND SITE IMPROVEMENTS	LS			(160)
SITE PREPARATIONS	LS			(20)
DEMOLITION	LS			(40)
ENVIRONMENTAL MITIGATION	LS			(30)
SUBTOTAL				2290
CONTINGENCY (5%)				110
TOTAL CONTRACT COST				2400
SIOH (5.7%)				140
SUBTOTAL				2540
TOTAL REQUEST ROUNDED				2540
TOTAL REQUEST				2530

10.Description of Proposed Construction

Construct a single-story building for Pass and ID office, Sentry building, and Game Warden's check-in/out near the entrance to New River Air Station. Construction will be concrete slab on grade with brick exterior with bullet resistant doors and glazing, standing seam metal roof, offices, administrative area, reception area, visitor parking, and restrooms. This project also includes a new gatehouse with covered entrance lanes, parking lot, covered search area with segregated inspection lanes for both passenger vehicle and trucks, a turn around lane for unauthorized vehicles, a control lane island, and a raised armed sentry platform, passive and active vehicle barriers, and an access road. Buildings will be constructed for high coastal wind conditions. Built in equipment includes a generator. Information systems include wiring for LAN, telephone, and close circuit TV. Special construction features include pile foundations. Electrical utilities include electrical distribution, lighting, and communication features. Mechanical utilities include air conditioning, water distribution, and sanitary sewer piping. Site preparations include excavation and grading, pavement, and curbs and gutters. Demolition includes buildings CG1, AS184, and AS185, and existing pavement. Sustainable features have been included in the design, development, and

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA	4.Project Title MAIN GATE SECURITY UPGRADES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	73025	P663	2,530

construction of this project in accordance with Executive Order 13123 and other laws and executive orders.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:
This project contructs a new Pass and ID Office, Sentry building, and Game Warden Office.

(Current Mission)

REQUIREMENT:
Adequate space to allow for proper conduct of personel and vehicle registration and inspections by the Provost Marshal's office and the consolidation of the Game Warden section into the same facility. This facility will be relocated to the entrance of the air station and will enhance station security.

CURRENT SITUATION:
The existing main gate security consists of a small sentry building and a gatehouse. Vehicles are inspected by the 3-4 guards housed in the sentry building and temporary passes are issued from the gatehouse. The temporary passes that are issued in the gatehouse allow visitors to get to the pass and ID office located nearly 3 miles from the main entry gate. There is no segregated vehicle search and inspection area. The sentry house has approximately 64 SF of interior space to house the 3-4 guards on duty and the gatehouse has only room for one desk and two standing visitors.
With new requirements for personnel identification, ID badging, vehicle decals, record keeping, and vehicle inspections, the available space is grossly undersized to meet the current mission. Due to the lack of space there are routinely long lines of personnel waiting to be served (excess of 25 per hour). In addition, there are no active vehicle barriers to prevent aggressors from proceeding through the sentry check points.
Currently the installations Wildlife Officials/Game Wardens offices are located in a leased temporary mobile unit.

IMPACT IF NOT PROVIDED:
The Air Station Provost Marshal and Game Warden personnel will continue to operate in an undersized facility that is located away from the main entry to the Air Station. Game Warden personnel will continue to be separated from the Provost Marshal and will operate from a leased mobile home unit.

12.Supplemental Data:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M62573	4.Project Title
MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA	MAIN GATE SECURITY UPGRADES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	73025	P663	2,530

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	012005
(C) Date Design Completed	092005
(D) Percent Completed as of SEPTEMBER 2004	2%
(E) Percent Completed as of JANUARY 2005	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) :	$170
(A) Production of Plans and Specifications	$130
(B) All other Design Costs	$40
(C) Total	$170
(D) Contract	$100
(E) In-House	$70
4. Contract Award	122005
5. Construction Start	012006
6. Construction Complete	012007

B. Equipment associated with this project which will be provided from other appropriations: None

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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Randy Scott Phone No: 910-449-5402

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M62573	4.Project Title
MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA	MAIN GATE SECURITY UPGRADES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	73025	P663	2,530

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA	4.Command Commander, Navy Region Mid-Atlantic	5.Area Const Cost Index .87

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	0	0	0	0	0	0	0	0	0	0
b. End FY 2011	29	29	2	0	0	0	0	0	0	60

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	42,610
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	14,800
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	59,805
f.	PLANNED IN NEXT THREE PROGRAM YEARS	79,846
g.	REMAINING DEFICIENCY	0
h.	**GRAND TOTAL .....**	**197,061**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
11110	OLF LAND ACQUISITION II	0 LS	14800	08/2002	04/2005
11110	OUTLYING LANDING FIELD FACILITIES INCREMENT II	0 LS	0	06/2002	06/2004
	TOTAL		14800		

9. Future Projects:

a.Included In The Following Program:

11110	OLF LAND ACQUISITION II	0 LS	39955
11110	OUTLYING LANDING FIELD FACILITIES INCREMENT II	0 LS	19850
	TOTAL		59805

b.Major Planned Next Three Years:

91110	OLF LAND ACQUISITION III	3070.29 HA	40418
91110	OLF LAND ACQUISITION IV	3070.29 HA	39428
	TOTAL		79846

c.R&M Unfunded Requirement ($000): 0

10. Mission or Major Functions:

Provide logistics and support functions for east coast tactical aircraft training operations.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA	4.Command Commander, Navy Region Mid-Atlantic	5.Area Const Cost Index .87

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N61131	4.Project Title
NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA	OUTLYING LANDING FIELD (OLF) FAC (INCR PY)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212176N	11110	P689B	Auth 0 Approp 0 Auth for Approp 0

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
OUTLYING LANDING FIELD (OLF) FAC (INCR PY)	LS			38820
RUNWAY	LS			(18520)
APPROACH LIGHTING	EA	2	706,547.16	(1410)
SIMULATED CARRIER DECK LIGHTING	EA	2	606,715.25	(1210)
RUNWAY/TAXIWAY LIGHTING	EA	1	1,211,223.69	(1210)
LAND INTEREST ACQUISITION AND RELOCATION	AC	3,000	5,055.96	(15170)
TECHNICAL OPERATING MANUALS	LS			(100)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1200)
SUPPORTING FACILITIES				15320
GRADING AND LANDSCAPING	LS			(1000)
ROADWAY AND PAVING	LS			(8400)
SITE IMPROVEMENTS	LS			(720)
ELECTRICAL UTILITIES	LS			(1800)
MECHANICAL UTILITIES	LS			(2100)
ENVIRONMENTAL MITIGATION	LS			(1300)
SUBTOTAL				54140
CONTINGENCY (5%)				2710
TOTAL CONTRACT COST				56850
SIOH (6%)				3410
SUBTOTAL				60260
DESIGN/BUILD - DESIGN COST				1520
FINANCED FROM PRIOR YEARS	LS			-23050
LESS INCREMENT I FUNDING	LS			-3610
LESS INCREMENT II FUNDING	LS			-15000
LESS INCREMENT III FUNDING	LS			-19850
LESS SIOH REDUCTION	LS			-270
TOTAL REQUEST ROUNDED				0
TOTAL REQUEST				0

10.Description of Proposed Construction

Acquire interests in approximately 3000 acres of land for a new outlying landing field (OLF) and provide relocation assistance. Project also includes construction of a 2,440 m runway with appropriate clear zones, an aircraft parking apron, taxiway, runway and approach lights, runway overruns, simulated carrier deck lighting at each end of the runway, earthwork; clearing and grubbing; landscaping, signage, utilities, roads, parking, drainage, fencing, and Anti-Terrorism/Force Protection features. Sustainable principles will be integrated into the design development, and construction in accordance with Executive Order 13123 and other laws and executive orders. Technical operating manuals will be included.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N61131	4.Project Title
NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA	OUTLYING LANDING FIELD (OLF) FAC (INCR PY)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212176N	11110	P689B	Auth 0 Approp 0 Auth for Approp 0

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:
Acquire land interests and construct an outlying landing field (OLF).
(New Mission)

REQUIREMENT:
The OLF will provide facilities and functions to support training and operation of the new F/A-18 E/F (Super Hornet). This includes required repetitive flight operations to support the Atlantic Fleet. One of the more important characteristics of an OLF training facility is for field carrier landing practice. This OLF will allow operations to be conducted away from the home facility thus improving flexibility of operations, improved quality of life and quality of service, and noise/population encroachment mitigation.

CURRENT SITUATION:
The Navy will site eight fleet squadrons and the fleet replacement squadron at Naval Air Station (NAS) Oceana and two fleet squadrons at Marine Corps Air Station (MCAS) Cherry Point, with an Outlying Landing Field (OLF) to be built in Washington County, NC. A new OLF is required to provide operational flexibility, improve the quality of life for Navy personnel and civilians, and most importantly, to meet surge requirements in support of the President's National Defense Strategy. The first Super Hornet Squadron should stand up at NAS Oceana in 2004 with the entire beddown complete by 2010.

IMPACT IF NOT PROVIDED:
Without the OLF there will be a negative impact on the squadrons' home field and training areas. The capability to complete the aircraft training curriculum between deployment cycles would be greatly diminished.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		062002
(B) Date 35% Design or Parametric Cost Estimate Complete		122003
(C) Date Design Completed		062004
(D) Percent Completed as of	SEPTEMBER 2004	30%
(E) Percent Completed as of	JANUARY 2005	35%
(F) Type of Design Contract		Design Build
(G) Parametric Estimate used to develop cost		Yes
(H) Energy study/Life cycle analysis performed		Yes

2. Basis:

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA	4.Project Title OUTLYING LANDING FIELD (OLF) FAC (INCR PY)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212176N	11110	P689B	Auth 0 Approp 0 Auth for Approp 0

(A) Standard or Definitive Design:	No
(B) Where Design Was Previously Used:	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$2,000
(A) Production of Plans and Specifications	$1,500
(B) All other Design Costs	$500
(C) Total	$2,000
(D) Contract	$1,500
(E) In-House	$500
4. Contract Award	042004
5. Construction Start	082004
6. Construction Complete	062008

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. 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: Phone No:

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA	4.Project Title OUTLYING LANDING FIELD (OLF) FAC (INCR PY)

5.Program Element 0212176N	6.Category Code 11110	7.Project Number P689B	8.Project Cost ($000) Auth 0 Approp 0 Auth for Approp 0

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N60241	4.Command	5.Area Const Cost Index
NAVAL AIR STATION KINGSVILLE, TEXAS	Commander Navy Installations	.91

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	338	312	175	0	0	0	78	31	0	934
b. End FY 2011	356	275	175	0	0	0	61	31	0	898

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(6,910 Acres).....	
b.	INVENTORY AS OF 30 Sep 2004	88,882
c.	AUTHORIZATION NOT YET IN INVENTORY.....	6,110
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	6,010
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	9,385
g.	REMAINING DEFICIENCY	70,000
h.	**GRAND TOTAL .....**	**180,387**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
13630	UPGRADE AIRFIELD LIGHTING & CONTROLS (NALFOG)	0 LS	6010	09/2003	04/2006
	TOTAL		6010		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

21196	JET ENGINE TEST CELL	606 M2	9385
	TOTAL		9385

c.R&M Unfunded Requirement ($000): 17,238

10. Mission or Major Functions:

Maintains and operates facilities and provide services and materials in support of basic and advanced navy pilot training in jet aircraft. Supports Training Wing Two and Three Training Squadrons.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location: N60241 NAVAL AIR STATION KINGSVILLE, TEXAS	4.Command Commander Navy Installations	5.Area Const Cost Index .91

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60241	4.Project Title
NAVAL AIR STATION KINGSVILLE, TEXAS	AIRFIELD LIGHTING (NALFOG)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	13630	P271	6,010

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AIRFIELD LIGHTING (NALFOG)	LS			5000
APPROACH LIGHTING SYSTEM (MALSR)	LS			(1030)
RUNWAY CENTERLINE LIGHTING SYSTEM	LS			(940)
APPROACH LIGHTING VAULT	LS			(370)
UPGRADE RUNWAY EDGE LIGHTING	LS			(1340)
UPGRADE MANHOLE & DUCT BANK SYSTEM	LS			(670)
AIRFIELD LIGHTING VAULT	LS			(570)
RUNWAY THRESHOLD/REIL LIGHTING RW 35	LS			(80)
SUPPORTING FACILITIES				230
PAVING AND SITE IMPROVEMENTS	LS			(230)
SUBTOTAL				5230
CONTINGENCY (5%)				260
TOTAL CONTRACT COST				5490
SIOH (5.7%)				310
SUBTOTAL				5800
DESIGN/BUILD - DESIGN COST				210
TOTAL REQUEST ROUNDED				6010
TOTAL REQUEST				6010

10.Description of Proposed Construction

Construct Medium-Intensity Approach Lighting System approach lighting with sequence flashing lights at end of runway 13, new approach lighting vault to house new equipment and existing equipment, and new runway centerline lighting on runway 13. The project also replaces the existing edge lighting and threshold/end lighting from medium intensity to high intensity. The project also installs an airfield duct system of directionally bored conduit, manholes, and hand holes to facilitate conduit crossing under runways and taxiways. The project installs a paved/gravel service/access road for the approach lights. This project does not not increase or decrease the number of runways or change the length of existing runways.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

This project will install a new approach light and runway centerline light systems on Runway 13; will replace the existing medium intensity threshold/end lighting and runway edge lighting systems with high intensity systems; and will install new airfield lighting vault(s) to support the new lighting systems and replacement of existing

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location/UIC: N60241 NAVAL AIR STATION KINGSVILLE, TEXAS		4.Project Title AIRFIELD LIGHTING (NALFOG)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	13630	P271	6,010

systems.

(Current Mission)

REQUIREMENT:

Adequate facilities are required to support the mission required visual and instrument flight conditions for Naval Auxiliary Landing Field (NALF) Orange Grove. The primary mission of NALF Orange Grove is to support Training Wing (TRAWING) 2 at NAS Kingsville in training student jet pilots. Additionally, TRAWING 4 at NAS Corpus Christi utilizes the runways at NALF Orange Grove 2.5 to 3 hours per day, 4 days a week. NALF Orange Grove has a mission and approach minimums requirement for a Instrument Flight Rules (IFR) Category 1 field. The following systems are required for an IFR CAT 1 field:

(1) Approach visual aids including: obstruction lights and Medium-Intensity Approach Lighting System approach lights.
(2) Runway visual aids including: runway marking, threshold lights, end lights, high intensity edge lights, distance markers, arresting gear markers. Note runway centerline lights are recommended.
(3) Taxiway visual aids including: taxiway markings, edge lights, guidance signs, and holding position signs. Note taxiway centerline lights are recommended.

The airfield lighting system must be safe, reliable and in compliance with current criteria to ensure the safety of our aircrews and aircraft.

CURRENT SITUATION:

NALF Orange Grove has two 8000 - foot runways. The airfield lacks one critical airfield lighting system. NALF Orange Grove is not equipped with an approach lighting system with sequence flashing lights. It also lacks a runway centerline lighting system which is recommended for an IFR CAT 1 field. Additionally, the existing runway edge is Medium Intensity Runway Lighting (MIRL). MIRL is substandard for the mission requirement and does not meet criteria for a IFR CAT 1 rating which requires high intensity lighting for runway edge lighting systems. The existing threshold/end lights are lower lighting intensity than required by criteria. The existing equipment vault is sized to support the existing airfield lighting equipment and does not have space for additional and larger support components required for the upgraded system. The existing lighting system is beyond its life expectancy and the original direct buried cable is difficult to maintain and repair. Repair of the existing lighting system is not economically feasible and would not bring the airfield in compliance with requirements. NALF Orange Grove conducts over 53,000 flight operations per year, and this number will increase.

IMPACT IF NOT PROVIDED:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60241	4.Project Title
NAVAL AIR STATION KINGSVILLE, TEXAS	AIRFIELD LIGHTING (NALFOG)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	13630	P271	6,010

With the increase in NAS Kingsville's pilot training rate (PTR) and NAS Corpus Christi's joint use of the airfield for training, there is a larger requirement to utilize NALF Orange Grove at night and during low visibility conditions. Unless these lights are upgraded, meeting required PTR is at risk and the safety of aircrews is jeopardized. Increased expenditure of repair funds will be required to keep NALF Orange Grove open to serve only a part of the mission requirement to train jet pilots and student naval aviators.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$232
(A) Production of Plans and Specifications	$174
(B) All other Design Costs	$58
(C) Total	$232
(D) Contract	$58
(E) In-House	$174
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	092007

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. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location,

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60241	4.Project Title
NAVAL AIR STATION KINGSVILLE, TEXAS	AIRFIELD LIGHTING (NALFOG)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	13630	P271	6,010

however, all tenants on this installation are benefited by this project.

Activity POC: LCDR Jerry Shoemaker Phone No: 361-516-6464

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N61414 NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA	4.Command Commander Navy Installations	5.Area Const Cost Index .94

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	1011	6820	1060	0	482	0	198	455	0	10026
b. End FY 2011	970	6744	1111	0	588	0	198	455	0	10066

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(2,409 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	336,400
c.	AUTHORIZATION NOT YET IN INVENTORY.....	22,762
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	36,034
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	35,481
g.	REMAINING DEFICIENCY	280,964
h.	**GRAND TOTAL .....**	**711,641**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
15520	REPL PIERS 44-51 & ADJ QW	0 LS	36034	09/2003	05/2006
	TOTAL		36034		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

15120	PIERS 14 & 15 REPLACEMENT	792 MB	23511
14341	MOB DIVING SALVGE UNT OPS	4593 M2	11970
	TOTAL		35481

c.R&M Unfunded Requirement ($000): 198,296

10. Mission or Major Functions:

Serves as the east coast operational base for amphibious ships and units of the Atlantic Fleet Surface Force. Furnish homeport berthing, training, maintenance, personnel and support services. Support annual training exercises. Support Amphibious Assault Ships, Amphibious Construction Battalion, Special Warfare Group Two, Amphibious School Beach Group Two, Service Squadron Eight, Explosive Ordnance Disposal Group Two.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N61414 NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA	4.Command Commander Navy Installations	5.Area Const Cost Index .94

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N61414	4.Project Title
NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA	REPLACE PIERS 44-51 AND QUAYWALL

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15520	P283	36,034

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
REPLACE PIERS 44-51 AND QUAYWALL	LS			25310
PIER 44-51 REPLACEMENT (1,837 FB)	mB	560	3,501.50	(1960)
QUAYWALL REPLACEMENT (1,837 FB)	mB	560	24,697.85	(13830)
BREASTING DOLPHINS	EA	2	377,500.00	(760)
BULKHEAD	m	900	5,300.00	(4770)
FENDER SYSTEM	m	1,120	3,554.30	(3980)
TECHNICAL OPERATING MANUALS	LS			(10)
SUPPORTING FACILITIES				6020
SITE WORK	LS			(450)
WATER AND FIRE PROTECTION	LS			(130)
DREDGING	LS			(70)
ELECTRICAL UTILITIES	LS			(760)
DEMOLITION	LS			(4610)
SUBTOTAL				31330
CONTINGENCY (5%)				1570
TOTAL CONTRACT COST				32900
SIOH (5.7%)				1880
SUBTOTAL				34780
DESIGN/BUILD - DESIGN COST				1250
TOTAL REQUEST ROUNDED				36030
TOTAL REQUEST				36034

10.Description of Proposed Construction

This project will demolish eight existing small craft berthing piers (piers 44 through 51, totaling 700 meters of berthing (MB), and replace them with six new small craft berthing piers totaling 560 MB and two mooring dolphins. The existing abandoned concrete pier structure at northeast corner of Desert Cove will also be demolished. The neighboring 530 MB open quaywall with bulkhead will also be demolished and replaced with a new 560 MB, open quaywall and bulkhead. Utilities will be provided for electrical service connections, security lighting, navigational lighting, fire alarm, water service, and fire hydrants. Project will upgrade the existing stowage area for Improved Navy Lighterage System (INLS) modules with gravel replenishment, site lighting, and improved subsurface storm water recharge.

The reconstructed quaywall will include continuous hardstand design and vehicle access loadings. The entire quaywall will be rebuilt as a continuous hard point for heavy equipment and crane lifting operations. The existing bridge on the east quaywall will be demolished, and replaced by the continued east quaywall. The existing pontoon launching ramp area will be demolished, backfilled, and converted into a temporary construction lay down area.

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N61414 NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA	4.Project Title REPLACE PIERS 44-51 AND QUAYWALL

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15520	P283	36,034

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

This project demolishes and reconstructs with higher loading capacity the existing quaywall and bulkhead, as well as piers 44-51, all located within Desert Cove at NAB Little Creek.

(Current Mission)

REQUIREMENT:

Piers and quay walls are required in Desert Cove to allow Amphibious Construction Battalion TWO (ACB2) to safely and economically develop and maintain operational readiness for the support of the new Improved Navy Lighterage System (INLS), scheduled for delivery in FY2007. The system consists of powered and non-powered floating barges that can be configured as warping tugs, roll-on/roll-off discharge facilities, causeway ferries, or floating causeways. The system provides a method of moving cargo and war fighting material from ship-to-shore in the event that a port is denied, degraded, or unavailable. INLS is a vital component of Joint Logistics Over-the-Shore (JLOTS) and a critical capability for discharging Strategic Sealift and the Afloat Pre-positioning Force. The new system consists of barge components that are deeper, wider, heavier, and have more powerful engines than the existing system.

On a routine basis, ACB2 uses piers and facilities in Desert Cove to conduct numerous training exercises. During contingency operations, ACB2 uses these facilities to conduct mobilize critical homeport assets. Lighter operations involve maneuvering the barges into different configurations, mooring various configurations, and loading heavy equipment and vehicles onto the barges. While in the water, barges are berthed and maintained at the piers and quay walls. Periodically, the barges are removed for maintenance and stowed in areas adjacent to the waterfront.

The ability to support cranes and forklifts on the piers and quay walls in Desert Cove is vital to the safe and economical operation, maintenance, and training for the INLS. During lighter training and operations in the harbor, cranes are required to load equipment and lift heavy connection hardware on the barges. In certain training exercises, the cranes on the quaywall simulate the cranes normally provided by host

ships for the INLS. In addition to supporting maneuvering and exercises, crane and forklift operations allow maintenance and daily operations on a cost effective basis and provide critical proficiency training for equipment operators.

The minimum pier spacing for the support of the INLS system must be 31.22 meters in order to support side-to-side configuration of three barges. Three barges must operate abreast in the Roll On/Roll Off Discharge Facility configuration and during the side loading of two barges with a third barge at the adjacent pier. Pier width should be a minimum of 6.1 meters in order to support forklift operations on the pier. Pier capacity should support material handling using forklifts. Quay walls adjacent to piers should support cranes at a lift radius to reach the barges at the pier. Utilities including electrical service, security lighting, navigational lighting, fire alarm, water, and fire hydrants will be available to the piers.

The maximum draft required for support of the INLS system is 2.5 meters. This figure includes a 0.9-meter bottom clearance that is required to minimize degradation of the propulsion system from the intake of silt.

Any cut off wall or sheet piling at the quaywall must withstand scouring from the INLS jet propulsion system with 12 to 15 tons of horizontal thrust.

CURRENT SITUATION:

The existing piers and quay walls were constructed in 1953 and were not designed to support crane loading. Despite frequent maintenance and repair, the piles and decks have continued to deteriorate and currently show signs of overstressing and fatigue damage. No mobile crane operations are allowed on the quay walls or piers that support the barges. No cranes are allowed at any of the piers. Forklift operations are also restricted.

The inability to support weight handling and material handling on the piers and quay walls requires expensive and time-consuming workarounds, complicates and impairs maintenance, degrades operational training on barge operations, and eliminates economical opportunities for equipment operator proficiency training. Because cranes cannot operate on the quay walls adjacent to the barges' berthing and training location, floating cranes must be brought in or crews must mobilize both barges and cranes to other areas of the harbor. Currently, ACB2 spends approximately $344,790 per year to mobilize floating cranes that would be unnecessary if the quay walls were properly designed. A less obvious loss of efficiency results because equipment operators lose opportunities to support the barges in a manner that provides natural and economical proficiency training. Pier side work that would be routinely performed by ACB2

equipment operators in a manner that duplicates deployed operational conditions cannot be done. Instead, work is either performed by others or done in an environment or with equipment that does not exercise operational skills.

The current pier spacing of 24.4 meters is insufficient to conduct maneuvering that requires three INLS barges abreast. The existing 3.05-meter wide piers are too narrow for pier side maintenance and operations. Existing utilities at the pier are not available to support the new INLS system. The previous barge system did not require electrical service at the pier and the existing water service was abandoned.

The existing quaywall was not designed with sufficient protection at the interface with the shore. Hydrodynamic forces in the harbor and the strong jet propulsion engines on the barges have caused scouring and a loss of soils from the shoreline into the harbor. This condition results in undermining of the adjacent pavements, causing unsafe working conditions that range from uneven transit surfaces to deep localized holes where vehicle traffic and operations are restricted. This undermining will be accelerated by the more powerful propulsion systems on the new INLS system.

IMPACT IF NOT PROVIDED:
Without new piers and quay walls to support the development and implementation of operational training for the new INLS system, ACB2 will not be able to effectively perform one of its major missions. Scouring and undermining at the shore interface will accelerate along with increased occurrences of deep localized holes.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092003
(B) Date 35% Design or Parametric Cost Estimate Complete		042005
(C) Date Design Completed		052006
(D) Percent Completed as of	SEPTEMBER 2003	3%
(E) Percent Completed as of	JANUARY 2004	3%
(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:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N61414	4.Project Title
NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA	REPLACE PIERS 44-51 AND QUAYWALL

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15520	P283	36,034

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$330
(A) Production of Plans and Specifications	$250
(B) All other Design Costs	$80
(C) Total	$330
(D) Contract	$250
(E) In-House	$80
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	082008

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. 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: Al Siegler Phone No: 757-462-4733 X397

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N61414 NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA	4.Project Title REPLACE PIERS 44-51 AND QUAYWALL

5.Program Element 0203176N	6.Category Code 15520	7.Project Number P283	8.Project Cost ($000) 36,034

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N62688	4.Command	5.Area Const Cost Index
NAVAL STATION NORFOLK, VIRGINIA	Commander Navy Installations	.94

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	4692	46682	6483	0	1	0	320	691	0	58869
b. End FY 2011	4422	45414	6525	0	1	0	320	691	0	57373

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(3,980 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	1,035,507
c.	AUTHORIZATION NOT YET IN INVENTORY.....	375,697
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	72,445
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	50,600
f.	PLANNED IN NEXT THREE PROGRAM YEARS	245,535
g.	REMAINING DEFICIENCY	535,552
h.	**GRAND TOTAL**	**2,315,336**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
15120	PIER 11 REPLACEMENT III	27328 m2	40200	11/2001	09/2003
17135	MH-60S TRAINER FACILITY	2882 m2	10680	09/2003	04/2006
21105	A/C MAINT HGR (MH-60S CV)	0 LS	21565	09/2003	04/2006
	TOTAL		72445		

9. Future Projects:

a.Included In The Following Program:

15120	PIER 11 REPLACEMENT IV	27328 m2	37740
17135	E2/C2 AIRCREW TRNG FAC	1599.79 m2	5310
17135	HELICOPTER TRAINER FACILITY ADDN	2559 m2	7550
	TOTAL		50600

b.Major Planned Next Three Years:

15120	PIER 15 I	1204 M	38068
21105	TY-1 HGR 2 MH-60 CV SQDNS	7286 M2	26709
61010	NCIS FIELD OFFICE	3662 M2	7423
11320	AIRFIELD RECAP-LP APRON	38612 M2	7848
15120	PIER 15 II	1204 MB	47224
21105	MNT HGR (MH-60S/E2/C2 IMC)	24100 M2	24521
14112	CARGO TERMINAL FAC INC I	70316 M2	34900
15120	PIER 15 III	1204 MB	47174
61010	SECOND FLEET OPS CENTER	27334 M2	11668
	TOTAL		245535

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N62688 NAVAL STATION NORFOLK, VIRGINIA	4.Command Commander Navy Installations	5.Area Const Cost Index .94

c.R&M Unfunded Requirement ($000): 1,052,448

10. Mission or Major Functions:

Naval Station, Norfolk functions as the primary operating base of the Atlantic Fleet. It provides port and airfield services, extensive facilities to support the many functions performed on the base, and the full range of services needed to enhance the quality of service and quality of life of military personnel and their families. Naval Station, Norfolk is homeport to over 80 ships, including five aircraft carriers, surface escorts and other combatants, logistics support ships, and attack submarines. It also maintains 15 fixed-wing and helicopter squadrons, a contract Fleet Readiness Squadron (FRS) for C-12, and air cargo and air passenger terminals. In addition, the airfield hosts transport aircraft (C-9, C-5, C-130, B-757, DC-8, DC-5, L1011).

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N62688	4.Project Title
NAVAL STATION NORFOLK, VIRGINIA	H60 TRAINER BUILDING

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17135	P705	10,680

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
H60 TRAINER BUILDING (31,022 SF)	m2	2,882		6400
NMCI ROOM (301 SF)	m2	28	1,600.00	(40)
HELICOPTER TRAINER FACILITY (30,720 SF)	m2	2,854	1,710.41	(4880)
HVAC FOR NMCI ROOM	LS			(20)
BUILT-IN EQUIPMENT	LS			(1180)
TECHNICAL OPERATING MANUALS	LS			(120)
INFORMATION SYSTEMS	LS			(100)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
SUPPORTING FACILITIES				2890
SPECIAL FOUNDATION FEATURES	LS			(290)
ELECTRICAL UTILITIES	LS			(1040)
MECHANICAL UTILITIES	LS			(220)
PAVING AND SITE IMPROVEMENTS	LS			(650)
DEMOLITION	LS			(690)
SUBTOTAL				9290
CONTINGENCY (5%)				460
TOTAL CONTRACT COST				9750
SIOH (5.7%)				560
SUBTOTAL				10310
DESIGN/BUILD - DESIGN COST				370
TOTAL REQUEST ROUNDED				10680
TOTAL REQUEST				10680
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(59000)

10.Description of Proposed Construction

This project constructs a two-story building. The building will include high bay space, sensitive compartmented information facility (SCIF), classified vault, restricted access, fire sprinkler system, electrical distribution, secret internet protocol routing network (SIPRNET), mechanical systems, heating ventilation and air conditioning, hydraulic pump room, raised flooring, anti-terrorism/force protection measures, uninterupted power supply, and site improvements. The project will demolish Building #SP238 (540 m2), renovation of existing space for relocation of SP238 occupants is also included. Built-in equipment includes fire booster pump, traction elevator, fans, raised floor, UPS system, and 400 hz power. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 2882m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA	4.Project Title H60 TRAINER BUILDING

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17135	P705	10,680

This project will construct a facility for MH-60S trainers and classrooms. **(New Mission)**

REQUIREMENT:

There will be 10 training simulators sited at Chambers Field at Naval Station Norfolk to support the MH-60S helicopter. The number of helicopters and flight personnel are specified by the helicopter Concept of Operations (CONOPS), and NS Norfolk will be the training center for the MH-60S. The simulators provide training in helicopter operations, which cannot be safely accomplished in the aircraft. For those operations that could be accomplished in the aircraft, the simulators will allow pilots and crew to spend more time in trainers and less time flying. This will use less fuel, eliminate wear and tear on the aircraft, reduce maintenance hours and create less noise for nearby residents.

The trainer facility will include space for the trainers, briefing rooms, classrooms, maintenance, computer room, library, trainer contractors, instructors and administrative personnel.

Currently, the U.S. Navy operates four types/models of helicopters at Chambers Field. The Helicopter CONOPS Plan calls for the replacement of two older models with the new, multi-purpose MH-60S. The transition to this new airframe has already commenced, and we expect the number of helicopters at Chambers Field to nearly double in the next decade. The new helicopters bring new missions and training requirements.

This project is the second of three trainer facility projects. The third project will add an addition onto this facility. There will be three hangar projects associated with the MH-60S in NS Norfolk.

CURRENT SITUATION:

Currently, there are no adequate facilities to house the tactical simulators and classrooms required for this new mission training.

This project will construct space for three Tactical/Operational Flight Trainers (TOFT), including one full-motion trainer. The TOFT is a mockup of the aircraft cockpit, with an instructor station and associated computers to operate the device. The TOFT provides the aircrew with aircraft familiarization, instrument flight rules (IFR) navigation, and emergency procedures training. The TOFT additionally provides the aircraft with visual flight rules (VFR) navigation, flight procedure familiarization, and Night Vision Goggle (NVG) training.

This project will construct space for two Weapons Tactical Trainers (WTT) and two

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N62688	4.Project Title
NAVAL STATION NORFOLK, VIRGINIA	H60 TRAINER BUILDING

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17135	P705	10,680

Aircrew Virtual Environment Trainer (AVET). The WTT provides the FRS and the squadrons the ability to train for the Organic Airborne Mine Counter Measures (OAMCM) mission. The AVET provides the FRS and the squadrons the ability to primarily train for the armed helicopter mission.

IMPACT IF NOT PROVIDED:

The MH-60S FRS at Norfolk will begin training new students in January 2006. The FRS in San Diego will reach its capacity to train students in FY2005. The first TOFT simulator is scheduled for delivery to NS Norfolk in late FY2005. If these simulators are not available in Norfolk, most of the syllabus events will have to be accomplished in the aircraft. However, some events cannot be accomplished in the aircraft, and will be forced to be waived/modified, resulting in a general degradation of the entire training program. Aircrew personnel will be less qualified, increasing the risk to both crew and aircraft. Operating the simulator to achieve the required training is much less expensive and safer than flying the helicopter.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design 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) :	$330
(A) Production of Plans and Specifications	$280
(B) All other Design Costs	$50
(C) Total	$330
(D) Contract	$50
(E) In-House	$280

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N62688	4.Project Title
NAVAL STATION NORFOLK, VIRGINIA	H60 TRAINER BUILDING

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0815976N	17135	P705	10,680

4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	102007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Weapons Tactical Trainer #1	APN	2004	$8,000
Weapons Tactical Trainer #4	APN	2006	$8,000
Tactical/Operational Flight Trainer #4	APN	2004	$12,000
Tactical/Operational Flight Trainer #6	APN	2007	$12,000
Tactical/Operational Flight Trainer #3	APN	2003	$12,000
Aircrew Virtual Environment Trainer #1	APN	2005	$3,500
Aircrew Virtual Environment Trainer #2	APN	2007	$3,500

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, and location are incompatible with use by other components.

Activity POC: John Cox, Planner (Regional Ops) FacilitiesPhone No: 444-4150 ext. 3013

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N62688	4.Project Title
NAVAL STATION NORFOLK, VIRGINIA	PIER 11 REPLACEMENT (INCREMENT III)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15120	P094B	Auth 0 Approp 40,200 Auth for Approp 40,200

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
PIER 11 REPLACEMENT (INCREMENT III) (294,156 SF)	m2	27,328		75550
PIER 11 REPLACEMENT (INCREMENT III) (294,156 SF)	m2	27,328	1,326.00	(36240)
5T BASIN DEVELOPMENT (OLD 25T)	LS			(10620)
ANTI TERRORISM FORCE PROTECTION	LS			(1580)
ELECTRICAL UTILITIES	LS			(20050)
MECHANICAL UTILITIES	LS			(4420)
NORTH BREAKWATER DEVELOPMENT	LS			(450)
SMALL CRAFT BASIN PIER 11	LS			(1940)
TECHNICAL OPERATING MANUALS	LS			(250)
SUPPORTING FACILITIES				55430
SPECIAL CONSTRUCTION FEATURES	LS			(25130)
ELECTRICAL UTILITIES	LS			(880)
MECHANICAL UTILITIES	LS			(4390)
PAVING AND SITE IMPROVEMENTS	LS			(1660)
DEMOLITION	LS			(23060)
ANTI-TERRORISM/FORCE PROTECTION	LS			(310)
SUBTOTAL				130980
CONTINGENCY (5%)				6550
TOTAL CONTRACT COST				137530
SIOH (6%)				8250
SUBTOTAL				145780
LESS INCREMENTS I, II, AND IV FUNDING	LS			-105350
LESS SIOH REDUCTION	LS			-230
TOTAL REQUEST ROUNDED				40200
TOTAL REQUEST				40200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1115)

10.Description of Proposed Construction

Double Deck, General Purpose Berthing Pier 28 meters (93 linear feet (LF) wide and 488 meters (1,600 LF)) long with lower deck utilidor. Utilities consist of potable water; sanitary sewer, oily waste/waste oil, steam, and fuel piping systems with ship hose service connections and expansion and freeze protection devices. Additional ship-to-shore utilities include electrical, telephone, cable television, fiber optic communications, and a fire alarm. The project includes upgrades to sanitary Pump Station #3 and approximately 460 meters (1,500LF) of existing shore-side gravity sanitary sewer. 480V shore-to-ship power capacity will be 32MVA served via eight skid-mounted secondary unit substations. Secondary unit substations will consist of

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA	4.Project Title PIER 11 REPLACEMENT (INCREMENT III)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15120	P094B	Auth 0 Approp 40,200 Auth for Approp 40,200

secondary transformers, switchgear, breakers, and shore power outlets in weatherproof enclosures compatible for use on all 34.5kV upgraded piers. The new pier will include 4,160V and 13.8kV shore-to-ship power. A new relieving platform will be constructed in front of the Pier 11 bulkhead to provide a continuous, crane-capable corridor immediately along the waterfront. Anti-terrorism/force protection features will be provided. Offshore provisions will include a pier armored mound system, relieving platform, and guard tower.

Demolition includes: Pier 11 (892 meters of berthing (MB)), small craft basin (1187 MB), wooden finger piers G and H (548 MB), and a portion of the existing bulkhead, and the laundromat (374 m2).

Special Construction Features include: Offshore berths on both sides of the pier will be dredged to a depth of 15.3+0.6 meters (50+2 feet), inshore berth on the north side to a depth of 12.2+0.6 meters (40+2 feet), and small craft basins to 9.1+0.6 meters (30+2 feet); dredge material disposal; mounted oil boom; and two relieving platforms.

In addition, a new small craft basin in the area of Pier 5T will be developed. The Pier 5T basin includes breakwaters, small craft piers, YD-capable dolphins, perimeter relieving platforms, a 35-ton travel lift slip/boat ramp, and a boat shed.

Additional shore-side work includes a new parking lot, a small craft dry storage/repair area, security fencing, provisions for relocation of Laundromat to Building #CEP58, and demolition of a small craft boathouse 403 m2.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 27328m2 **Adequate:** m2 **Substandard:** m2

PROJECT:
This project will construct a new double deck general purpose berthing pier.
(Current Mission)

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA	4.Project Title PIER 11 REPLACEMENT (INCREMENT III)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15120	P094B	Auth 0 Approp 40,200 Auth for Approp 40,200

REQUIREMENT:

A comprehensive Regional Waterfront Plan for the entire Hampton Roads region drives the requirement for this project. NAVSTA has a requirement for supporting a 2010 ship loading of 87 ships and utilizing ship nesting. To provide a portion of the required berthing at NAVSTA, Norfolk, Pier 11 must be replaced with a modern general purpose-berthing pier. An additional CVN capable berth is provided to offset the loss of berthing capacity at times when Piers 12 or 14 are unavailable because of maintenance and recapitalization requirements. Pier 11 will be the first pier at NAVSTA capable of berthing Nuclear Aircraft Carrier (CVN-21) and Amphibious Assault (LHD-8) class ships. The small craft basins have the requirement to berth eight tractor tugs, five floating (YD) cranes as well as various fenders, camels, separators and barges as included in the small craft berthing requirement.

CURRENT SITUATION:

The existing Pier 11 is a one-sided pier, north side only, with the small craft piers to the south. The shore power electrical system is located in vaults below the existing pier deck resulting in moisture damage to equipment from damp conditions and, in extreme weather conditions, are subject to tidal inundation. Equipment damage and confined space access conditions result in increased maintenance costs and have resulted in the death of one and serious injury to an additional maintenance technician. The current electrical configuration does not provide the required power for CVN, CVNX, LHD-8 and the planned DDX class ships. In order to provide the necessary pier-to-pier spacing and to maximize the use of piers along the entire Naval Station waterfront, the Regional Waterfront Plan relocates the small craft basin to the Pier 5T area and the inshore portion of the south side of the new Pier 11. The existing Pier 11 will be replaced to allow for berthing on both sides of the pier, alleviating the shortage of CVN/CVNX/LHD/LHA berths.

Pier 10 is currently the only other pier capable of berthing CVN-65 because of its unique power requirements; therefore, the pier must remain operational until a replacement pier is provided. Pier 11 will provide the necessary power, structural capacity, dredge depth and other capabilities to support CVN-65 and other CVNs. Pier 10, the oldest pier on the waterfront, will become available for recapitalization once this project is completed. Also, only Piers 12 and 14 are currently capable of berthing the other CVNs, greatly limiting berthing flexibility. As a result, there are no alternative CVN berths available when one of Piers 12 or 14 is unavailable due to pier maintenance requirements or an AOE or other large ship occupying a CVN berth.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N62688	4.Project Title
NAVAL STATION NORFOLK, VIRGINIA	PIER 11 REPLACEMENT (INCREMENT III)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15120	P094B	Auth 0 Approp 40,200 Auth for Approp 40,200

The small craft piers were originally built to accommodate early submarine berthing and currently support Port-Ops tugboats and other yard craft. Harbor patrol craft are currently berthed in the "V" area of the former Air Station. In excellent weather, this requires a 20-minute transit to the southernmost general berthing piers with foul weather transits considerably longer. The relocated small craft basin will accommodate these harbor patrol craft placing them in the center of the waterfront and significantly decreasing emergency response times.

IMPACT IF NOT PROVIDED:

The existing pier and the NAVSTA waterfront as a whole will not be able to properly support berthing of future ship classes. The lack of adequate berthing space with required utilities is part of a cumulative impact that will prevent NAVSTA from supporting all classes of homeported ships. The single sided pier and existing deck widths prohibit fire and emergency vehicle access during crane operations on the pier. Lack of adequate crane operations at the existing pier drives the need to perform costly berth shifts in order to perform weapons loading, logistics and maintenance operations.

Positive impacts on the Quality of Life (QOL) will not be realized including: reduced nesting of ships will reduce ship movements, reduced numbers of cables across the inboard ship's deck, and increase maintenance opportunities and lay down area; utility outages due to storm and wave damage will decrease because of the increased elevation of a double deck pier and pipe protection; simplified CVN loading from drive on ramps to the hanger deck; increased pier width along with a deck free of utility cables will improve pier side staging of materials and ammunition movements, improved small craft berthing simplifying all aspects of port operations.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		112001
(B) Date 35% Design or Parametric Cost Estimate Complete		012003
(C) Date Design Completed		092003
(D) Percent Completed as of	SEPTEMBER 2004	100%
(E) Percent Completed as of	JANUARY 2005	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

2. Basis:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N62688	4.Project Title
NAVAL STATION NORFOLK, VIRGINIA	PIER 11 REPLACEMENT (INCREMENT III)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15120	P094B	Auth 0 Approp 40,200 Auth for Approp 40,200

(A) Standard or Definitive Design:	No
(B) Where Design Was Previously Used:	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$10,535
(A) Production of Plans and Specifications	$7,901
(B) All other Design Costs	$2,634
(C) Total	$10,535
(D) Contract	$6,585
(E) In-House	$3,950
4. Contract Award	022004
5. Construction Start	032004
6. Construction Complete	112007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Brows (30')	OMN	2006	$237
Brows (40')	OMN	2006	$72
Brows (60')	OMN	2006	$23
Fuel Hoses	OMN	2006	$22
Life Ring Stations	OMN	2006	$5
Life Rings w/Line	OMN	2006	$2
OW/WO Hoses	OMN	2006	$27
Sewage Hoses	OMN	2006	$44
Shore Power Cables	OMN	2006	$656
Steam Hoses	OMN	2006	$27

JOINT USE CERTIFICATION:

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: Andy Sampson Phone No: 757-444-4450

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA	4.Project Title PIER 11 REPLACEMENT (INCREMENT III)

5.Program Element 0203176N	6.Category Code 15120	7.Project Number P094B	8.Project Cost ($000) Auth 0 Approp 40,200 Auth for Approp 40,200

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N62688	4.Project Title
NAVAL STATION NORFOLK, VIRGINIA	A/C MAINTENANCE HANGAR (MH-60S CV)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21105	P699	21,565

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
A/C MAINTENANCE HANGAR (MH-60S CV)	LS			14880
NMCI SERVER ROOM (258 SF)	m2	24	1,685.54	(40)
HELICOPTER PADS	EA	2	808,221.00	(1620)
HANGAR (78,426 SF)	m2	7,286	1,626.00	(11850)
BUILT-IN EQUIPMENT	LS			(900)
TECHNICAL OPERATING MANUALS	LS			(200)
INFORMATION SYSTEMS	LS			(180)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
SUPPORTING FACILITIES				3880
SPECIAL FOUNDATION FEATURES	LS			(1100)
ELECTRICAL UTILITIES	LS			(670)
MECHANICAL UTILITIES	LS			(1190)
PAVING AND SITE IMPROVEMENTS	LS			(700)
DEMOLITION	LS			(220)
SUBTOTAL				18760
CONTINGENCY (5%)				940
TOTAL CONTRACT COST				19700
SIOH (5.7%)				1120
SUBTOTAL				20820
DESIGN/BUILD - DESIGN COST				750
TOTAL REQUEST ROUNDED				21570
TOTAL REQUEST				21565
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(350)

10.Description of Proposed Construction

This project constructs a two module, Type I hangar, a 200,000 liter underground storage tank for aqueous film forming foam (AFFF) discharge containment, oil/water separator, and supports for two 4.5 metric ton bridge cranes. Additional items include information systems, compressed air, anti-terrorism measures, structural improvements, 400 Hz D.C. power distribution system, outdoor aircraft washrack with apparatus shed for two aircraft, demolition of pavement, flight line painting, tie-down pad eyes, grounding points, and vehicle parking for 210 vehicles. Sustainable design will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other directives. Project will also include 335 M of 1.83 M high standoff fence with barbed wire, pedestrian turnstile/gate and a vehicle gate.

Project will also construct two one-directional helicopter pads, 1,858 m2 total, with a shipboard pattern for night time flying and standard H pattern.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA	4.Project Title A/C MAINTENANCE HANGAR (MH-60S CV)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21105	P699	21,565

Orders.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

This project will construct one hangar with two Type I modules in the SP area of Chambers Field, Norfolk, VA, for two squadrons of carrier-based MH-60S helicopters.

(New Mission)

REQUIREMENT:

This hangar is included in the MH-60 Development Plan and fulfills the requirements stated in the helicopter Concept of Operations (CONOPS). The Fleet is undergoing a transition which will result in the MH-60S being one of the three predominant helicopter airframes. The MH-60S requirement includes one Fleet replacement squadron (FRS), three expeditionary squadrons and five CV squadrons. Naval Station will see an increase from 66 to 136 helicopters and from 1,730 to 3,650 personnel associated with this program. The FRS and two expeditionary squadrons will replace existing squadrons at Chambers Field, while one expeditionary squadron and five CV squadrons will be new stand-up units at Chambers Field. The new CV squadrons will have eight aircraft assigned, requiring a Type I hangar module for each. The new expeditionary squadrons will have 10 aircraft and will require one hangar hangar module.

The transition to the MH-60S helicopter at Chambers Field will bring six additional squadrons to Chambers Field. This is the first of two hangar projects required at Chambers Field. Implementation of the helicopter CONOPS will also require a two-module hangar for CV squadrons and a one-module hangar for an expeditionary squadron. The expeditionary squadron will be housed in an existing hangar.

The Navy operates four different helicopter airframes at Chambers Field. The Helicopter Concept of Operation Plan (CONOPS) calls for the replacement of the H-3 Sea King and the CH-46 Sea Knight with new, multi-purpose MH-60S. The MH-53E Sea Dragon will not be replaced. The transition to this new airframe has already commenced.

CURRENT SITUATION:

No hangars are available for the new squadrons. The FRS and three expeditionary squadrons will remain in existing hangars or be assigned to hangars under construction, and will continue to have legacy aircraft.

IMPACT IF NOT PROVIDED:

If this facility is not provided, new squadrons will stand up with no hangars available to house squadron personnel or to operate and maintain the aircraft. If Chambers Field is forced to stand up squadrons in Norfolk without hangars, they will have to perform work out of trailers and potentially overcrowded existing hangars and flight lines.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N62688	4.Project Title
NAVAL STATION NORFOLK, VIRGINIA	A/C MAINTENANCE HANGAR (MH-60S CV)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21105	P699	21,565

Delaying this project may result in the delayed introduction of required capabilities to the Fleet. Inadequate hangar space will result in maintenance and training delays and a reduction of available aircraft, seriously compromising the squadrons' ability to execute their missions.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092003
(B) Date 35% Design or Parametric Cost Estimate Complete		092005
(C) Date Design Completed		042006
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(F) Type of Design Contract		Design 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) :	$475
(A) Production of Plans and Specifications	$300
(B) All other Design Costs	$175
(C) Total	$475
(D) Contract	$175
(E) In-House	$300
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	082007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
PSE/IDS	OPN	2007	$350

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N62688	4.Project Title
NAVAL STATION NORFOLK, VIRGINIA	A/C MAINTENANCE HANGAR (MH-60S CV)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0712876N	21105	P699	21,565

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, and location are incompatible with use by other components.

Activity POC: Jack Cox, Planner (Regional FacilitiesPhone No: (757) 444-4155 Ex 3013 Ops)

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N00181	4.Command	5.Area Const Cost Index
NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA	Commander Navy Installations	.94

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	156	868	8143	0	0	0	193	2618	0	11978
b. End FY 2011	164	971	8143	0	0	0	211	3969	0	13458

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	53,859
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	47,729
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	59,139
f.	PLANNED IN NEXT THREE PROGRAM YEARS	140,598
g.	REMAINING DEFICIENCY	143,995
h.	**GRAND TOTAL .....**	**445,320**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
15250	SHIP REPAIR PIER 3 REPLACEMENT I	395 mB	47729	09/2003	09/2005
	TOTAL		47729		

9. Future Projects:

a.Included In The Following Program:

15250	SHIP REPAIR PIER 3 REPLACEMENT II	395 mB	31059
21310	DRYDOCK #8 MODERNIZATION	18.29 m	28080
	TOTAL		59139

b.Major Planned Next Three Years:

15150	SHIP REPAIR PIER 5 REPLACEMENT I	844.5 MB	42561
21366	SHIP SERVICES SHOP CONSOLIDATION	13044 M2	17121
15150	SHIP REPAIR PIER 5 REPLACEMENT II	844.5 MB	48795
21370	CVN MAINTENANCE FACILITY	16221 M2	32121
	TOTAL		140598

c.R&M Unfunded Requirement ($000): 128,395

10. Mission or Major Functions:

Norfolk Naval Shipyard exists to support the Fleet. Its primary mission is to repair, overhaul, drydock, convert, modernize and inactivate ships, and to provide logistics services in support of Fleet readiness.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N00181 NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA	4.Command Commander Navy Installations	5.Area Const Cost Index .94

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00181	4.Project Title
NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA	SHIP REPAIR PIER 3 REPL (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15250	P391	Auth 78,788 Approp 47,729 Auth for Approp 47,729

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
SHIP REPAIR PIER 3 REPL (INCR I) (1,296 FB)	mB	395		39660
REPAIR PIER 3 AND BERTH 25 (1,296 FB)	mB	395	72,947.36	(28810)
ELECTRICAL UTILITIES	LS			(7070)
FENDERING SYSTEM AND MOORING	LS			(3120)
TELECOMMUNICATION	LS			(560)
TECHNICAL OPERATING MANUALS	LS			(100)
SUPPORTING FACILITIES				31330
DREDGING	LS			(5750)
CIVIL UTILITIES	LS			(580)
TELECOMMUNICATION	LS			(1100)
BUILDINGS	LS			(440)
ELECTRICAL UTILITIES	LS			(10420)
MECHANICAL UTILITIES	LS			(540)
PAVING AND SITE IMPROVEMENTS	LS			(7700)
DEMOLITION	LS			(4800)
SUBTOTAL				70990
CONTINGENCY (5%)				3550
TOTAL CONTRACT COST				74540
SIOH (5.7%)				4250
SUBTOTAL				78790
LESS INCREMENT II	LS			-31059
TOTAL REQUEST ROUNDED				47731
TOTAL REQUEST				47729

10.Description of Proposed Construction

Demolish and replace Ship Repair Pier 3 (6,335 m2) and Quaywall Berth 25 (1,362 m2): reconstruction of sheet pile wall, relieving platform, and fendering system; new cleats and bollards as required. All crane rail track (400 meters) and railroad track (275 meters) disturbed will be replaced with new rail and support system with structural repairs performed as required. Heavy weather moorings will be constructed on Pier 3. An underground electrical duct bank system and a mechanical utility tunnel will be constructed and utilities will be routed through them with connections to the duct bank and utility systems along the head of Pier 3 on Hitchcock Street. The pier utility systems will include: civil/mechanical systems (steam, low pressure compressed air, fresh water, salt water - for fire protection/cooling/flushing, sanitary sewer, and oily water collection), electrical systems (480V shore power, 4160V shore power, provisions for future 13.8KV shore power, 480V industrial power, pier fire alarm, lighting), and communication systems (telephones, fiber, cable TV). Power to the pier/berth will be provided from a new 35KV Distribution Station. The new 35KV distribution will be

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N00181 NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA	4.Project Title SHIP REPAIR PIER 3 REPL (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15250	P391	Auth 78,788 Approp 47,729 Auth for Approp 47,729

located at the Norfolk Naval Shipyard's (NNSY) utility point of service (Gosport Transmission Station). Telephone/fiber service for Pier 3/Berth 25 will be provided via underground ductbank. A utility tunnel will be constructed to route the utilities to the pier. The following buildings will be demolished: Building #193, Public Restroom (103 m2), Building #225, Storage Area (300 m2), Building #406, Electrical Distribution Station III (156 m2), Building #445, Electrical Substation D-1 (71 SM), and Building #831, Saltwater Pump Station (71 m2). The Saltwater Pump Station (123 m2),and public restrooms (242 m2)will be rebuilt as part of this project. Dredge to 47 + 2 feet.

11.Requirement: 395mB **Adequate:** 0mB **Substandard:** 0mB

PROJECT:

This project will replace existing facilities for the depot level maintenance of a NIMITZ class aircraft carrier (CVN) and submarine overhaul (SSN and SSBN).

(Current Mission)

REQUIREMENT:

Major modifications are required to increase the structural and utility system capacities to meet the current and future pier requirements for all classes of naval vessels (CVNX, DD-21, LPD-17). Pier 3 and Berth 25 are World War I era structures. Pier 3 has been used to repair all classes of naval vessels and Berth 25 has been used as a retaining structure between Pier 3 and Pier 4. Replacing Pier 3 will enhance the flexibility of the Shipyard to repair any class of ship, minimizing impact to the Fleet. This project is the first phase which enables the execution of the Waterfront Development Plan. The NNSY Waterfront Development Plan consists of replacing Pier 3, Pier 6, demolishing Piers 4 and 5 while constructing a new Pier 5 to criteria, and extending Dry Dock #8. The Waterfront Development Plan also includes construction of a new 34.5 KV electric power distribution system. The Waterfront Development Plan is part of the Hampton Road's Waterfront Regional Shore Infrastructure Plan.

CURRENT SITUATION:

Pier 3 and Berth 25 were built from 1917 to 1921 and are required to meet NNSY's mission. Pier 3 has deterioration of the bulkhead (gaps in concrete sheet pile), relieving platform connections, and mechanical utilities. The east and west sections of

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00181	4.Project Title
NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA	SHIP REPAIR PIER 3 REPL (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15250	P391	Auth 78,788 Approp 47,729 Auth for Approp 47,729

Pier 3 have experienced accelerated failures which have rendered the pier unusable for its intended purpose. Due to loss of the pier tieback system, lateral capacity of pier structural system will not support safe berthing for repair operations.

IMPACT IF NOT PROVIDED:
Pier 3 and Berth 25 have failed; therefore, Pier 3 is the logical starting point for our waterfront infrastructure repairs. The risk of catastrophic failure increases with time; therefore, the delay of this project could seriously prevent NNSY from meeting its mission.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092003
(B) Date 35% Design or Parametric Cost Estimate Complete		012005
(C) Date Design Completed		092005
(D) Percent Completed as of	SEPTEMBER 2003	2%
(E) Percent Completed as of	JANUARY 2004	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) :	$5,528
(A) Production of Plans and Specifications	$4,146
(B) All other Design Costs	$1,382
(C) Total	$5,528
(D) Contract	$3,455
(E) In-House	$2,073
4. Contract Award	122005
5. Construction Start	012006
6. Construction Complete	122008

B. Equipment associated with this project which will be provided from other appropriations: None

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N00181	4.Project Title
NORFOLK NAVAL SHIPYARD PORTSMOUTH, VIRGINIA	SHIP REPAIR PIER 3 REPL (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15250	P391	Auth 78,788 Approp 47,729 Auth for Approp 47,729

JOINT USE CERTIFICATION:

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: Chris Ceniccola Phone No: 757-396-8240

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M00262	4.Command	5.Area Const Cost Index
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	Commandant of the Marine Corps	.98

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	13	145	18	0	0	0	96	617	25	914
b. End FY 2011	111	855	18	0	0	0	102	633	79	1798

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	39,740
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	54,428
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	20,356
g.	REMAINING DEFICIENCY	0
h.	**GRAND TOTAL .....**	**114,524**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
11320	GREEN SIDE AIRCRAFT TAXIWAY/PARKING APRON	63888 m2	11667	09/2003	09/2006
11320	WHITE SIDE AIRCRAFT TAXIWAY/PARKING APRON	42898 m2	8031	09/2003	09/2005
21105	WHITE SIDE COMPLEX (INCR II)	16746 m2	34730	12/2003	08/2005
	TOTAL		54428		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

21105	GREENSIDE TYPE II HANGAR	0 LS	20356
	TOTAL		20356

c.R&M Unfunded Requirement ($000): 1,900

10. Mission or Major Functions:

Provide helicopter transportation for the President of the United States, members of the President's cabinet and foreign dignitaries, as directed by the Director, White House Military Office.

Provide helicopter emergency evacuation support for the President of the United States, Vice President of the United States, and other personnel/agencies as directed by the Director, White House Military Office.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M00262	4.Command	5.Area Const Cost Index
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	Commandant of the Marine Corps	.98

Provide helicopter support as directed by the Commandant of the Marine Corps.

Provide planning, execution and reporting for independent Operational Test and Evaluation of helicopters and related systems for the Commander, Operational Test and Evaluation Force as directed by the Commandant of the Marine Corps.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00262	4.Project Title
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	AIRCRAFT PARKING APRON WHITE SIDE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	11320	P496	8,031

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AIRCRAFT PARKING APRON WHITE SIDE (461,750 SF)	m2	42,898		4210
AIRCRAFT TAXIWAY/PARKING APRON (437,747 SF)	m2	40,668	99.90	(4060)
REFUELER PARKING (24,004 SF)	m2	2,230	65.17	(150)
SUPPORTING FACILITIES				3030
ELECTRICAL UTILITIES	LS			(250)
MECHANICAL UTILITIES	LS			(190)
PAVING AND SITE IMPROVEMENTS	LS			(2520)
ENVIRONMENTAL MITIGATION	LS			(70)
SUBTOTAL				7240
CONTINGENCY (5%)				360
TOTAL CONTRACT COST				7600
SIOH (5.7%)				430
SUBTOTAL				8030
TOTAL REQUEST ROUNDED				8030
TOTAL REQUEST				8031

10.Description of Proposed Construction

Construct additional reinforced concrete aircraft parking apron, washrack pavement, peripheral taxiways, and auxiliary pavements to eliminate existing safety waivers and to accommodate the transition to the VXX aircraft in support of the Presidential Support mission, as well as use of the V-22 tilt-rotor aircraft. Electrical utilities include electrical distribution systems, airfield lighting and grounding, and exterior security lighting. Mechanical systems include water distribution and sanitary sewer. Paving and site improvements include excavation cut and fill, shoulders, and drainage structures. Sustainable features will be included in the design, development, and construction for the project in accordance with Executive Order 13123 and other laws and executive orders.

11.Requirement: 42898m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

Constructs reinforced concrete parking apron and taxiway, aircraft washrack pavement, and an area for fuel truck parking.

(Current Mission)

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00262	4.Project Title
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	AIRCRAFT PARKING APRON WHITE SIDE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	11320	P496	8,031

REQUIREMENT:

The existing aircraft parking apron must be replaced to provide an aircraft parking apron which complies with airfield safety criteria and provides adequate parking area and peripheral taxiways for aircraft loading.

CURRENT SITUATION:

This project is needed to support the current transition to the new VXX aircraft in support of the Presidential mission. The existing aircraft taxiways and parking aprons were built in 1934, prior to the existence of the current standard airfield safety requirements. MCAF Quantico currently operates with numerous airfield safety violations to primary and transitional clear zone surfaces, temporarily waived in anticipation of pending corrective action provided by this project. Peripheral taxiways are only 60 feet wide instead of the required 1.5 x rotor diameter + 20 feet. Aircraft to aircraft clearance is only 25 feet instead to the 1/2 rotor diameter separation required. Current capacity is inadequate to support VXX, existing assigned aircraft, the occasional arrival of visiting C-17 aircraft, and the eventual permanent assignment of MV-22 tilt rotor aircraft.

IMPACT IF NOT PROVIDED:

MCAF Quantico will continue to operate under existing waivers with numerous airfield safety violations to primary and transitional clear zone surfaces.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092003
(B) Date 35% Design or Parametric Cost Estimate Complete		012005
(C) Date Design Completed		092005
(D) Percent Completed as of	SEPTEMBER 2004	2%
(E) Percent Completed as of	JANUARY 2005	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:	Yes
(B) Where Design Was Previously Used:	

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00262	4.Project Title
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	AIRCRAFT PARKING APRON WHITE SIDE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	11320	P496	8,031

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$568
(A) Production of Plans and Specifications	$426
(B) All other Design Costs	$142
(C) Total	$568
(D) Contract	$356
(E) In-House	$212
4. Contract Award	112005
5. Construction Start	122005
6. Construction Complete	122006

B. Equipment associated with this project which will be provided from other appropriations: None

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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Mr. Jim Woods, MCABE Facilities Phone No: 252-466-4769

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00262	4.Project Title
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	AIRCRAFT PARKING APRON WHITE SIDE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0216496M	11320	P496	8,031

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00262	4.Project Title
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	WHITE SIDE COMPLEX (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	21105	P448A	Auth 632 Approp 34,730 Auth for Approp 34,730

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
WHITE SIDE COMPLEX (INCR II) (180,252 SF)	m2	16,746		39030
HANGAR COMPLEX (180,252 SF)	m2	16,746	1,898.52	(31790)
BUILT-IN EQUIPMENT	LS			(4220)
TECHNICAL OPERATING MANUALS	LS			(300)
INFORMATION SYSTEMS	LS			(200)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1260)
SPECIAL COSTS	LS			(1260)
SUPPORTING FACILITIES				7270
SITE PREPARATION	LS			(1400)
PAVING AND SITE IMPROVEMENT	LS			(2100)
ELECTRICAL UTILITIES	LS			(2650)
MECHANICAL UTILITIES	LS			(1120)
SUBTOTAL				46300
CONTINGENCY (5%)				2320
TOTAL CONTRACT COST				48620
SIOH (6%)				2920
SUBTOTAL				51540
DESIGN/BUILD - DESIGN COST				1850
LESS INCREMENT I FUNDING	LS			-18560
LESS SIOH RATE REDUCTION	LS			-100
TOTAL REQUEST ROUNDED				34730
TOTAL REQUEST				34730

10.Description of Proposed Construction

Provide 5 modules of Type I hangar space and adjacent administrative and support areas on reinforced concrete slab and pile foundation with structural steel frame, concrete masonry unit (CMU) and brick infill walls, standing seam metal siding and standing seam metal roof. Special costs include architecture to match existing architecture. Built-in equipment includes mass notification intercom, heating, ventilation and air conditioning, plumbing, and appropriate fire suppression systems. Construction includes a vaulted room to meet Sensitive Compartmented Information Facility (SCIF) security standards. Provide an aircraft washrack with utility building. Provide reinforced concrete van pads with utilities, tie-downs, security fencing and access controls. Provide fencing, gates, signs, and appropriate access controls to meet Level 3 restricted area security criteria. Design shall be in accordance with sustainable design principles wherever feasible and cost effective. Design shall comply with Department of Defense Anti-Terrorism/Force Protection standards. Construction shall also include landscaping and adjacent privately owned vehicle parking. Sustainable principles will be integrated into the design, development, and construction of the

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: M00262 MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	4.Project Title WHITE SIDE COMPLEX (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	21105	P448A	Auth 632 Approp 34,730 Auth for Approp 34,730

project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 16746m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:
Replace inadequate, under-sized hangars in support of HMX-1 missions.
(Current Mission)

REQUIREMENT:
Adequate Level 3 secure hangar and support space is required for the aircraft assigned to the Executive Fleet of HMX-1. HMX-1 has a unique requirement to park all aircraft inside the hangar for security and maintenance reasons.

CURRENT SITUATION:
Existing hangars which support the executive fleet, were built in 1935, with an inter-connected addition to the original hangars in 1975. Less than half of the assigned VH-3 and VH-60 aircraft can be parked within these hangars with adequate fire lanes and safety clearances. When moving aircraft inside the hangar, maintenance personnel must maneuver rotor blades by hand while the aircraft is slowly towed in order to avoid damage by striking other aircraft. Only Hangar 2102A has sufficient overhead clearance to conduct most "in-hangar" hoist operations. Electrical systems do not have sufficient capacity to meet current user demand. Fire suppression systems are inadequate to protect critical national assets. The buildings' proximity to the runway violates the 7:1 transitional surface criteria. The aircraft parking apron in front of the building is limited to only 3 or 4 aircraft.

Aircraft maintenance training and secure supply facilities are sited very close to the runway and violate the Primary Surface. The current Executive Fleet operations at MCAF Quantico currently operate under numerous airfield safety violations to primary, transitional, and clear zone surfaces.

IMPACT IF NOT PROVIDED:
HMX-1 would continue to violate airfield safety requirements. HMX-1 will not have the capability of properly sheltering all of their aircraft. Overall, deferral of this project would critically interfere with the HMX-1 mission of Presidential Support, Marine Corps Combat Development Command (MCCDC) training airlift support, and Marine operational test and evaluation of new aircraft capabilities.

12.Supplemental Data:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00262	4.Project Title
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	WHITE SIDE COMPLEX (INCR II)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	21105	P448A	Auth 632 Approp 34,730 Auth for Approp 34,730

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	122003
(B) Date 35% Design or Parametric Cost Estimate Complete	062004
(C) Date Design Completed	082005
(D) Percent Completed as of SEPTEMBER 2004	20%
(E) Percent Completed as of JANUARY 2005	30%
(F) Type of Design Contract	Design 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) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	022005
5. Construction Start	082005
6. Construction Complete	022007

B. Equipment associated with this project which will be provided from other appropriations: None

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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Jim Woods Phone No: 252-466-4769

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: M00262 MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	4.Project Title WHITE SIDE COMPLEX (INCR II)

5.Program Element 0206496M	6.Category Code 21105	7.Project Number P448A	8.Project Cost ($000) Auth 632 Approp 34,730 Auth for Approp 34,730

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00262	4.Project Title
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	AIRCRAFT PARKING APRON GREEN SIDE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	11320	P495	11,667

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
AIRCRAFT PARKING APRON GREEN SIDE (687,685 SF)	m2	63,888		6260
AIRCRAFT TAXIWAY/PARKING APRON (687,685 SF)	m2	63,888	97.94	(6260)
SUPPORTING FACILITIES				4250
ELECTRICAL UTILITIES	LS			(280)
MECHANICAL UTILITIES	LS			(90)
PAVING AND SITE IMPROVEMENTS	LS			(2170)
DEMOLITION	LS			(1680)
ENVIRONMENTAL MITIGATION	LS			(30)
SUBTOTAL				10510
CONTINGENCY (5%)				530
TOTAL CONTRACT COST				11040
SIOH (5.7%)				630
SUBTOTAL				11670
TOTAL REQUEST ROUNDED				11670
TOTAL REQUEST				11667

10.Description of Proposed Construction

Construct a reinforced concrete aircraft parking apron and peripheral taxiways to eliminate existing safety waivers and to accomodate future transition to the V-22 aircraft. New parking apron elevation will be above 100 year flood plain elevation. Paving and site improvements include all necessary excavation cut and fill, shoulders, and drainage structures. Electrical systems include seconday distribution system, taxiway lighting, service area lighting, and security lighting. Mechancial systems include a fire protection water system and distribution system. Sustainable principles will be included in the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 63888m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

Construct a reinforced concrete parking apron and taxiway, and all associated drainage structures and airfield lighting necessary to satisfy existing safety waivers.

(Current Mission)

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00262	4.Project Title
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	AIRCRAFT PARKING APRON GREEN SIDE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	11320	P495	11,667

REQUIREMENT:

The existing aircraft parking apron must be replaced to increase aircraft to aircraft separation to meet current safety criteria. Peripheral taxiways must be widened from 60 feet to 150 feet. Additionally there must be a minimum wingtip distance of 20 feet provided between parked and taxiing aircraft. Parking spaces are required for (4) CH-53, (4) CH-46, and (1) each C-12 & C-130 transient aircraft.

CURRENT SITUATION:

MCAF Quantico currently operates with numerous airfield safety violations to primary and transitional clear zone surfaces, temporarily waivered in anticipation of pending corrective action provided by this project. Peripheral taxiways are only 60 feet wide instead of the required 150 feet. Current capacity is inadequate to support existing assigned aircraft, made worse by the occasional arrival of visiting C-17 aircraft and the eventual permanent assignment of MV-22 tilt rotor aircraft. MCAF Quantico supports HMX-1 with airfield, hangar and intermediate aircraft facilities. HMX-1 performs operational test activity for new helicopter systems and products destined for the Operating Forces. HMX-1 currently uses CH-46E, VH-60 and CH-53E helicopters. The existing aircraft taxiways and parking aprons were built in 1934, prior to the existance of the current standard airfield safety requirements. MCAF currently operates under NAVFAC waivers for safety violations related to insufficient clearance from primary and transitional clear zone surfaces.

IMPACT IF NOT PROVIDED:

MCAF Quantico will continue to operate under existing waivers, with numerous airfield safety violations to primary and transitional clear zone surfaces. Airfield safety requirements are published to provide a measure of safety for normal operations. Temporary waivers are considered an acceptable risk for short term operation while corrective action is undertaken. Failure to take corrective action in a timely manner invalidates the intent of the waiver. Assignment of V-22 aircraft would require new waivers and would exacerbate or increase the existing safety hazard.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	012006
(C) Date Design Completed	092006
(D) Percent Completed as of SEPTEMBER 2004	2%

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00262	4.Project Title
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	AIRCRAFT PARKING APRON GREEN SIDE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	11320	P495	11,667

(E) Percent Completed as of JANUARY 2005	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:	Yes
(B) Where Design Was Previously Used:	
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$824
(A) Production of Plans and Specifications	$618
(B) All other Design Costs	$206
(C) Total	$824
(D) Contract	$515
(E) In-House	$309
4. Contract Award	112005
5. Construction Start	122005
6. Construction Complete	122006

B. Equipment associated with this project which will be provided from other appropriations: None

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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Mr. Jim Woods, MCABE Facilities Phone No: 252-466-4769

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00262	4.Project Title
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	AIRCRAFT PARKING APRON GREEN SIDE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	11320	P495	11,667

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M00264	4.Command	5.Area Const Cost Index
MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA	Commander Navy Installations	.98

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	147	1187	906	1033	350	1508	1283	2781	4667	13862
b. End FY 2011	144	999	1007	2009	1402	1676	1300	2743	5186	16466

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(60,534 Acres).....	
b.	INVENTORY AS OF 30 Sep 2004	502,679
c.	AUTHORIZATION NOT YET IN INVENTORY.....	67,879
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	2,600
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	40,503
f.	PLANNED IN NEXT THREE PROGRAM YEARS	101,577
g.	REMAINING DEFICIENCY	224,437
h.	**GRAND TOTAL .....**	**939,675**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
61010	HOCKMUTH HALL ADDITION	13181.78 m	2600	09/2004	06/2006
	TOTAL		2600		

9. Future Projects:

a.Included In The Following Program:

17110	SNCO ACADEMIC FACILITY	2446 m2	7850
61010	HOCKMUTH HALL ADDITION	13181.78 m	9283
72411	STUDENT QUARTERS TBS	8882 m2	23370
	TOTAL		40503

b.Major Planned Next Three Years:

61010	HOCKMUTH HALL ADDITION	0 LS	2276
72411	CONSTRUCT STUDENT BOQ, TBS, PH 2	14963 M2	20155
72124	REPLACE MSGBN HQ & BEQ	3038.94 M2	22992
72411	CONSTRUCT STUDENT BOQ, TBS, PH 3	8863 M2	20152
73083	RELIGIOUS/FAMILY SVCS CTR	0 LS	3206
72210	OCS MESSHALL	29500 SF	6644
72411	STUDENT QUARTERS THE BASIC SCHOOL PHASE IV	LS	20131
85110	INFRASTRUCTURE FULLER ROAD	60000 M2	6021
	TOTAL		101577

c.R&M Unfunded Requirement ($000): 55,990

10. Mission or Major Functions:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: M00264	4.Command	5.Area Const Cost Index
MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA	Commander Navy Installations	.98

The installation mission is to maintain and operate facilities and provide 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 required capabilities in the area of doctrine, training and education, equipment, and support facilities to enable the marine Corps to field combat-ready forces; and to participate in and support other major processes of the Combat Development System.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00264	4.Project Title
MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA	HOCKMUTH HALL ADDITION (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	61010	P340	Auth 14,159 Approp 2,600 Auth for Approp 2,600

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
HOCKMUTH HALL ADDITION (INCR I) (141,887 SF)	m2	13,181.78		9750
MCIA ADMINISTRATIVE ADDITION (31,073 SF)	m2	2,886.78	1,459.41	(4210)
MCIA WAREHOUSE ADDITION (4,004 SF)	m2	372	1,045.88	(390)
MCIA PARKING GARAGE (106,810 SF)	m2	9,923	323.49	(3210)
BUILT-IN EQUIPMENT	LS			(380)
TECHNICAL OPERATING MANUALS	LS			(160)
INFORMATION SYSTEMS	LS			(230)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1170)
SUPPORTING FACILITIES				2560
SPECIAL CONSTRUCTION FEATURES	LS			(390)
ELECTRICAL UTILITIES	LS			(800)
MECHANICAL UTILITIES	LS			(300)
PAVING AND SITE IMPROVEMENTS	LS			(1010)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
SUBTOTAL				12310
CONTINGENCY (5%)				620
TOTAL CONTRACT COST				12930
SIOH (5.7%)				740
SUBTOTAL				13670
DESIGN/BUILD - DESIGN COST				490
LESS FY07 INCREMENT II FUNDING	LS			-9283
LESS FY08 INCREMENT III FUNDING	LS			-2276
TOTAL REQUEST ROUNDED				2601
TOTAL REQUEST				2600

10.Description of Proposed Construction

This project constructs a multi-story brick-faced, cast stone, Georgian-style addition and 300 space Parking Garage to match existing architectural plan, with structural steel frame, standing seam metal roof and brick veneer. Special costs include reinforced concrete slab-on-grade, elevated reinforced concrete slabs, spread footing foundation, and a simulation laboratory. Built in equipment includes a freight/passenger elevator, forklift charging station, and back-up power. Electrical systems include fire alarms and information systems, to include Local Area Network (LAN). Mechanical systems include EMCS, electrical and fire protection systems, plumbing, and HVAC. Sustainable principles will be included in the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Paving and site improvements include landscaping. Technical operating manuals will be provided. AT/FP features are also included.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA	4.Project Title HOCKMUTH HALL ADDITION (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	61010	P340	Auth 14,159 Approp 2,600 Auth for Approp 2,600

11.Requirement: 12089m2 **Adequate:** m2 **Substandard:** m2

PROJECT:

Construct an administrative addition to accommodate up to 120 Military and Civilian personnel and publication storage and a parking garage to accommodate at least 300 vehicles.

(Current Mission)

REQUIREMENT:

Adequate administrative, storage and parking facilities, efficiently configured to provide Marine Corps Intelligence Activity (MCIA) with additional administrative, storage and parking space to meet increased mission requirements.

CURRENT SITUATION:

The current authorized structure and anticipated growth of MCIA has dictated the additional request for space. Continued growth and mission changes can be expected to follow based on the HQMC directed MCIA reorganization to accommodate the inclusion of Marine Corps Cryptologic Support Battalion and Counter-intelligence Support Company under the MCIA command structure.

IMPACT IF NOT PROVIDED:

The MCIA will not be able to accommodate the additional personnel required by HQMC-directed MCIA reorganization. Their ability to support additional operational, training, and personnel requirements will be severely limited due to a lack of consolidation. The continued growth and reorganization of this agency requires an additional 25,956 SF of space.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092004
(B) Date 35% Design or Parametric Cost Estimate Complete		092005
(C) Date Design Completed		062006
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(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:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: M00264	4.Project Title
MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA	HOCKMUTH HALL ADDITION (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0206496M	61010	P340	Auth 14,159 Approp 2,600 Auth for Approp 2,600

(A) Standard or Definitive Design:	No
(B) Where Design Was Previously Used:	
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$510
(A) Production of Plans and Specifications	$450
(B) All other Design Costs	$60
(C) Total	$510
(D) Contract	$450
(E) In-House	$60
4. Contract Award	012006
5. Construction Start	072006
6. Construction Complete	032008

B. Equipment associated with this project which will be provided from other appropriations: None

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. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Richard Reisch Phone No: 703-784-5490

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA	4.Project Title HOCKMUTH HALL ADDITION (INCR I)

5.Program Element 0206496M	6.Category Code 61010	7.Project Number P340	8.Project Cost ($000) Auth 14,159 Approp 2,600 Auth for Approp 2,600

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N60191	4.Command	5.Area Const Cost Index
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA	Commander Navy Installations	.94

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	873	8045	346	0	360	0	36	160	0	9820
b. End FY 2011	856	7097	346	0	360	0	36	160	0	8855

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(19,558 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	553,047
c.	AUTHORIZATION NOT YET IN INVENTORY.....	29,172
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	11,680
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	35,411
g.	REMAINING DEFICIENCY	91,626
h.	**GRAND TOTAL .....**	**720,936**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
21107	F/A 18 FAC UPGRADES	836 m2	11680	08/2004	04/2006
	TOTAL		11680		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

72114	BEQ "A" SCHOOL REPLACEMENT	12616 M2	35411
	TOTAL		35411

c.R&M Unfunded Requirement ($000): 153,812

10. Mission or Major Functions:

This Atlantic Fleet master jet base provides operational support to fighter/attack squadrons which deploy on Atlantic Fleet aircraft carriers, one adversary fighter squadron, reserve units, and a Fleet Readiness Squadron. It also provides support to ALF (Auxiliary Landing Field) Fentress.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N60191 NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA	4.Command Commander Navy Installations	5.Area Const Cost Index .94

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60191	4.Project Title
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA	F/A 18 FAC UPGRADES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21107	P803	11,680

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
F/A 18 FAC UPGRADES (8,999 SF)	m2	836		1930
SCIF ADDITIONS TO HANGARS (8,999 SF)	m2	836	2,215.79	(1850)
TECHNICAL OPERATING MANUALS	LS			(30)
INFORMATION SYSTEMS	LS			(40)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
SUPPORTING FACILITIES				8220
AIRCRAFT FIXED POINT ELECTRICAL UTILITY SYSTEM	LS			(6720)
AIRCRAFT PAVEMENT MARKINGS	LS			(20)
SPECIAL FOUNDATION FEATURES	LS			(90)
ELECTRICAL UTILITIES	LS			(110)
MECHANICAL UTILITIES	LS			(360)
PAVING AND SITE IMPROVEMENTS	LS			(420)
DEMOLITION	LS			(400)
ENVIRONMENTAL MITIGATION	LS			(100)
SUBTOTAL				10150
CONTINGENCY (5%)				510
TOTAL CONTRACT COST				10660
SIOH (5.7%)				610
SUBTOTAL				11270
DESIGN/BUILD - DESIGN COST				410
TOTAL REQUEST ROUNDED				11680
TOTAL REQUEST				11680

10.Description of Proposed Construction

Hangars 200, 404 and 500 will have building additions constructed to provide sensitive compartmented information facility (SCIF) requirements associated with the F/A-18 E/F aircraft. Utility relocations will be required in order to construct the additions. Compressed air supply and distribution within the hangar and equipment spaces will be upgraded.

Aircraft parking apron upgrades to accommodate the F/A 18 E/F will include installation of an Aircraft Fixed Point Electrical Utility to provide required maintenance electrical power and starting electrical power. The existing Aircraft Fixed Point Utility System, which provides compressed air for engine starting, and electrical power for F-14 aircraft will be demolished. This will include removal of the air compressors and associated equipment in Building 403, and the compressed air storage tanks located adjacent to Hangars 404 and 500, as well as the service point boxes located on the aircraft parking apron.

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N60191 NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA	4.Project Title F/A 18 FAC UPGRADES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21107	P803	11,680

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 836m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

Hangars 200, 404 and 500 will have additions constructed to accommodate requirements associated with the F/A-18 E/F aircraft.

(New Mission)

REQUIREMENT:

Provide adequate facilities and functions to support the homebasing and operation of eight Fleet Squadrons (96 aircraft) and the East Coast Fleet Replacement Squadron (24 aircraft) of the new F/A-18 E/F (Super Hornet) aircraft assigned to the NAS Oceana to replace the F-14 (Tomcat) and earlier model F/A-18 C/D (Hornet) aircraft.

The introduction of the Super Hornet into the Atlantic Fleet would meet the need of Naval Aviation for upgraded aircraft with increased range and endurance, the ability to carry heavier payloads, features that enhance survivability, and the flexibility to incorporate future systems and technologies to meet emerging threats. In implementing the proposed action, the Navy must ensure that adequate hangar, training, maintenance, and personnel support facilities are available to meet production and delivery schedules.

Each Fleet squadron requires a separate hangar module adequately and efficiently configured for particular aircraft squadron functions, in which to house its maintenance, training, and administrative functions. Additions to the hangars are required to accommodate SCIF area required for aircrew briefing and debriefing as well as loading and unloading aircraft Memory Unit (MU) with Tactical Aircraft Mission Planning System/Joint Mission Planning System (TAMPS/JMPS) mission data prior to and after each tactics training flight.

Adequately and efficiently configured fixed-point utility systems are required to support F/A-18 E/F aircraft in the parking area.

CURRENT SITUATION:

At the present time, the aircraft maintenance hangars that will be utilized by the F/A-18 E/F Squadrons do not have sensitive compartmented information facilities spaces. Currently there is only one trusted TAMPS/JMPS facility on NAS Oceana. This facility, located in Building #137, is curently being used by six F/A-18 C/D squadrons, and the

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60191	4.Project Title
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA	F/A 18 FAC UPGRADES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21107	P803	11,680

F/A-18 C/D Fleet Replacement Squadron (FRS). The SCIF facilities in Building #137 are capable of supporting four F/A-18 E/F squadrons in addition to the current loading, but no more. This means that four of the eight F/A-18 E/F squadrons, and the F/A-18 E/F FRS will not have required SCIF spaces.

The existing aircraft parking apron and Aircraft Fixed Point Utility System serving the hangars where the Super Hornet squadrons will be assigned, are currently configured and marked for F-14 and F/A-18 C/D aircraft. The existing Fixed Point Utility supplies compressed air for engine starting, which is not required by F/A-18 E/F. It also supplies 400 Hertz electrical power for aircraft maintenance checks, but cannot supply the amount of power (39.9 KV) required by a Super Hornet.

IMPACT IF NOT PROVIDED:

NAS Oceana will be able to operate and maintain required readiness levels for F/A-18 E/F squadrons requiring access to SCIF and TAMPS/JMPS in order to conduct aircrew briefing/debriefings, and load/unload the Aircraft Memory Unit. Beginning with the arrival of the fifth squadron, which is scheduled to become operational in May of 2005, there will be insufficient SCIF space available to support operations.

F/A-18 E/F aircraft will have to be parked on existing F-14 parking spots,and the arrangement will not be in accordance with criteria established to provide safe, efficient parking, and aircraft movement. The existing Fixed Point Utility System cannot supply the maintenance electrical requirements of the Super Hornet aircraft. As a result, squadron maintenance personnel will have to utilize and rely on mobile Ground Support Equipment (GSE). However, the level of GSE assets available is not sufficient to support the additional Super Hornet aircraft. The lack of sufficient ground power to perform maintenance checks will have a negative impact on squadron readiness, both equipment and personnel.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		082004
(B) Date 35% Design or Parametric Cost Estimate Complete		092005
(C) Date Design Completed		042006
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(F) Type of Design Contract		Design Build
(G) Parametric Estimate used to develop cost		No
(H) Energy study/Life cycle analysis performed		No

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N60191	4.Project Title
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA	F/A 18 FAC UPGRADES

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0703676N	21107	P803	11,680

2. Basis:	
(A) Standard or Definitive Design:	No
(B) Where Design Was Previously Used:	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$380
(A) Production of Plans and Specifications	$300
(B) All other Design Costs	$80
(C) Total	$380
(D) Contract	$80
(E) In-House	$300
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	082007

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. 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: Mr. Andy Porter Phone No: 757-433-2226

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N68436 NAVAL SUBMARINE BASE BANGOR BANGOR, WASHINGTON	4.Command Commander Navy Installations	5.Area Const Cost Index 1.2

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	523	5257	2780	0	0	0	33	34	0	8627
b. End FY 2011	508	5142	2780	0	0	0	33	34	0	8497

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(7,206 Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	803,634
c.	AUTHORIZATION NOT YET IN INVENTORY.....	74,672
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	15,780
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	23,220
h.	**GRAND TOTAL .....**	**917,306**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
61010	MISSION SUPPORT FACILITIES FOR SSBN/SSGN	2358 m2	15780	09/2003	04/2006
	TOTAL		15780		

9. Future Projects:

a.Included In The Following Program:

None

b.Major Planned Next Three Years:

None

c.R&M Unfunded Requirement ($000): 623,273

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. Will be homeport for two guided missile submarines (SSGN). Provides logistics support to other activities in the area and acts as host for the following: Trident Submarine Squadron, Trident Refit 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 NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N68436 NAVAL SUBMARINE BASE BANGOR BANGOR, WASHINGTON	4.Command Commander Navy Installations	5.Area Const Cost Index 1.2

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N68436	4.Project Title
NAVAL SUBMARINE BASE BANGOR BANGOR, WASHINGTON	MISSION SUPPORT FACILITIES FOR SSBN/SSGN

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0911376N	61010	P345	15,780

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
MISSION SUPPORT FACILITIES FOR SSBN/SSGN (25,381 SF)	m2	2,358		7840
EMERGENCY GENERATOR BUILDING (2,153 SF)	m2	200	1,395.54	(280)
OPERATIONAL STORAGE BUILDING (5,856 SF)	m2	544	1,540.55	(840)
OFF-CREW ADMIN. BLDG. (17,373 SF)	m2	1,614	2,107.91	(3400)
BUILT-IN EQUIPMENT	LS			(80)
TECHNICAL OPERATING MANUALS	LS			(50)
INFORMATION SYSTEMS	LS			(240)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1780)
SPECIAL COSTS	LS			(1170)
SUPPORTING FACILITIES				5880
SPECIAL CONSTRUCTION FEATURES	LS			(330)
OUTSIDE COMMUNICATION LINES	LS			(320)
PAVING & SITE IMPROVEMENTS	LS			(400)
ELECTRICAL UTILITIES	LS			(4060)
MECHANICAL UTILITIES	LS			(200)
DEMOLITION	LS			(90)
ENVIRONMENTAL MITIGATION	LS			(480)
SUBTOTAL				13720
CONTINGENCY (5%)				690
TOTAL CONTRACT COST				14410
SIOH (5.7%)				820
SUBTOTAL				15230
DESIGN/BUILD - DESIGN COST				550
TOTAL REQUEST ROUNDED				15780
TOTAL REQUEST				15780
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(2867)

10.Description of Proposed Construction

Construct an addition to the existing Off-Crew Administration Building (Bldg 2100). Construct a parking lot addition to the existing off-crew parking lot. Construct a new operational storage building.

Construct new generator building adjacent to the existing emergency generator building (Bldg 7702). Add three new 2.17 MW emergency generators and parallel switchgear to the new generator building. Add new power conductors from new generator building to the Marginal Wharf. Install four 5,000 gallon buried double wall fiberglass fuel tanks for diesel fuel to serve new generators, including piping from tanks to generator day tanks.

Add two new power booms to existing Marginal Wharf South power mound locations. Add 3,200 amp shore power capacity to Delta Pier South. Modify existing Ship Overboard

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N68436 NAVAL SUBMARINE BASE BANGOR BANGOR, WASHINGTON	4.Project Title MISSION SUPPORT FACILITIES FOR SSBN/SSGN

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0911376N	61010	P345	15,780

Discharge (SOD) piping system on Marginal Wharf South to support Ohio class submarines.

Anti-terrorism/force protection features will be provided in accordance with current standards. This project is in compliance with current seismic requirements. Sustainable design will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other directives.

11.Requirement: 2358m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:
This project provides facilities to support the homeporting of two additional submarines (SSGNs).

(Current Mission)

REQUIREMENT:
Adequate facilities include waterfront electrical upgrades, Off-Crew Administrative space, operational storage space, and parking are required to support the homeporting of two SSGN submarines at SUBASE Bangor. Additional electrical power at the Delta Pier S. Leg is required to permit nesting submarines.

Recent restructuring of the submarine force and redistribution of the assets will result in the homeporting of 8 SSBN's, 2 SSGN's, and 1 SSN 21 class submarine. The SSN 21 submarine will be homeported at the Service Pier, the two SSGNs will be homeported at the Marginal Wharf, and the eight SSBNs will be homeported at the Delta North and South Piers. During normal operations for the foreseeable future, 3 SSBNs will be in port at a time at SUBASE Bangor, 1 SSBN will be in Repair/Overhaul (ROH) status at Puget Sound Naval Shipyard (PSNS), and 4 SSBNs will be at sea. SSGN's will be in port once per year for a single extended refit period.

Off-Crew Administrative Office Space: Each SSGN will be operated by two alternate crews. When one is at sea, the other (Off-Crew) will be at the SUBASE Bangor homeport. Administrative office space is required for the Off-Crew.

Operational Storage Space: There is a requirement for long-term storage space for 10 Special Forces canister. Each one will be about 40' long by 7' in diameter and mounted on a trailer. They are stored horizontally and need to be stored under cover. This

facility will be a drive through facility with doors at both ends.

Adequate electrical system and mechanical system upgrades are required at the Marginal Wharf to support SSBN/SSGN berthing, and adequate electrical system upgrades are required at the Delta Pier to permit nesting of submarines when up to five SSBNs are in port at one time. This will occur occasionally due to schedule shifts and emergency voyage repairs.

CURRENT SITUATION:

(A) Off-Crew Administration Building: There is no office space available at SUBASE Bangor to support two additional SSGN off crews.

(B) Operational Storage Building: There are no surplus operational storage facilities, or any other storage facilities available at SUBASE Bangor to store SOF canisters required for SSGN mission accomplishment.

(C) Parking Lots: There is insufficient parking available in the SUBASE community support area (which contains the existing Off Crew Administration Building) to accommodate an additional 300+ personnel.

(D) Emergency Generator Building: Building 7702 has three 2 MW generators which is only enough emergency generator capacity to serve the Delta Pier and the Explosives Handling Wharf (EHW). B7702 does not have sufficient capacity to support the Marginal Wharf and nested submarines at the Delta. There is no other source for emergency power in the area.

(E) Marginal Wharf Electrical Service Upgrades/Modifications: There are currently no unused facilities available to satisfy increased homeport requirements for SSBN/SSGNs to be assigned to SUBASE Bangor. The Marginal Wharf is the only facility available at SUBASE Bangor that could be upgraded and modified to satisfy increased homeport requirements. The Marginal Wharf is currently used as a temporary mooring site for Ohio Class Submarines that are finishing their refit period, or have returned to port to effect voyage repairs.

(F) Marginal Wharf feeders: There is currently no connecting link between the north & south legs of feeder 511 on the Marginal Wharf. If one or the other of the feeders is down the other feeder cannot pick up the load.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N68436	4.Project Title
NAVAL SUBMARINE BASE BANGOR BANGOR, WASHINGTON	MISSION SUPPORT FACILITIES FOR SSBN/SSGN

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0911376N	61010	P345	15,780

(G) Marginal Wharf Ship Overboard Discharge (SOD) system upgrade: The SOD system serving the Marginal Wharf is inoperable and requires repairs/modifications to become operational. Effluent is currently pumped directly into a tank truck. The current SOD system includes a drain line from the Wharf to an existing above ground holding tank on shore. This tank must be pumped periodically and the waste must be transferred to B7030.

(H) B7030 SOD Treatment Facility Upgrade: Building 7030 (Industrial Waste Pre-Treatment Plant) was originally sized to process SOD from three submarines at Delta Pier and EHW. It does not have the capacity to process additional SOD from additional submarines at Delta and Marginal Wharf. These additional berthing requirements necessitate expansion of the existing Industrial Waste Pre-Treatment Plant.

(I) Delta South Shore Power Upgrade: The Delta Pier was originally designed to support 3 SSBN Ohio class submarines at a time. Subsequently additional power was added to Delta North to permit nesting of a second SSBN. In order to support nesting at Delta South, it is necessary to provide an additional 3,200 amps of electrical power.

IMPACT IF NOT PROVIDED:
If the facilities mentioned above are not provided, then it will not be possible to support the SSGN mission at SUBASE Bangor. The waterfront does not have enough berths to accommodate the additional loading and there are no administrative office spaces to support the off crews.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		092003
(B) Date 35% Design or Parametric Cost Estimate Complete		092005
(C) Date Design Completed		042006
(D) Percent Completed as of	SEPTEMBER 2004	3%
(E) Percent Completed as of	JANUARY 2005	3%
(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

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N68436	4.Project Title
NAVAL SUBMARINE BASE BANGOR BANGOR, WASHINGTON	MISSION SUPPORT FACILITIES FOR SSBN/SSGN

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0911376N	61010	P345	15,780

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$490
(A) Production of Plans and Specifications	$410
(B) All other Design Costs	$80
(C) Total	$490
(D) Contract	$80
(E) In-House	$410
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	042007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Camels (2ea)	OPN	2006	$1,800
Brows (2 ea)	OPN	2006	$450
PSE	OPN	2006	$617

JOINT USE CERTIFICATION:

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: Mr. George Shepard Phone No: (360) 396-5013/DSN 744-5013

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N68436 NAVAL SUBMARINE BASE BANGOR BANGOR, WASHINGTON	4.Project Title MISSION SUPPORT FACILITIES FOR SSBN/SSGN

5.Program Element 0911376N	6.Category Code 61010	7.Project Number P345	8.Project Cost ($000) 15,780

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N68967	4.Command	5.Area Const Cost Index
NAVAL STATION EVERETT EVERETT, WASHINGTON	Commander Navy Installations	1.11

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	463	4925	120	0	0	0	15	61	0	5584
b. End FY 2011	446	5347	121	0	0	0	15	61	0	5990

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(213 Acres).....	
b.	INVENTORY AS OF 30 Sep 2004	313,995
c.	AUTHORIZATION NOT YET IN INVENTORY.....	0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	49,950
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	21,000
f.	PLANNED IN NEXT THREE PROGRAM YEARS	0
g.	REMAINING DEFICIENCY	34,690
h.	**GRAND TOTAL .....**	**419,635**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
72111	BEQ HOMEPORT ASHORE I	33965 m2	49950	09/2003	04/2006
	TOTAL		49950		

9. Future Projects:

a.Included In The Following Program:

72111	BEQ HOMEPORT ASHORE II	33965 m2	21000
	TOTAL		21000

b.Major Planned Next Three Years:

None

c.R&M Unfunded Requirement ($000): 22,838

10. Mission or Major Functions:

Provide homeport facilities and logistic support for an Aircraft Carrier Strike Group. Provide harbor and waterfront facilities; ship maintenance support and personnel support facilities; and athletic, recreational, berthing, and messing services.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005
3.Installation and Location: N68967 NAVAL STATION EVERETT EVERETT, WASHINGTON	4.Command Commander Navy Installations	5.Area Const Cost Index 1.11

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N68967	4.Project Title
NAVAL STATION EVERETT EVERETT, WASHINGTON	BEQ HOMEPORT ASHORE (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P155	Auth 70,950 Approp 49,950 Auth for Approp 49,950

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
BEQ HOMEPORT ASHORE (INCR I) (365,596 SF)	m2	33,965		39000
CONSTRUCT BEQ (SAILOR ASHORE) (145,636 SF)	m2	13,530	1,689.25	(22860)
3 - STORY PARKING GARAGE (219,961 SF)	m2	20,435	392.51	(8020)
BUILT-IN EQUIPMENT	LS			(1210)
TECHNICAL OPERATING MANUALS	LS			(330)
INFORMATION SYSTEMS	LS			(2180)
ANTI-TERRORISM/FORCE PROTECTION	LS			(870)
SPECIAL COSTS	LS			(3530)
SUPPORTING FACILITIES				22700
SPECIAL CONSTRUCTION FEATURES	LS			(2490)
SPECIAL FOUNDATION FEATURES	LS			(13910)
ELECTRICAL UTILITIES	LS			(710)
MECHANICAL UTILITIES	LS			(1210)
PAVING AND SITE IMPROVEMENTS	LS			(3930)
ENVIRONMENTAL MITIGATION	LS			(370)
ANTI-TERRORISM/FORCE PROTECTION	LS			(80)
SUBTOTAL				61700
CONTINGENCY (5%)				3090
TOTAL CONTRACT COST				64790
SIOH (5.7%)				3690
SUBTOTAL				68480
DESIGN/BUILD - DESIGN COST				2470
LESS INCREMENT II FUNDING	LS			-21000
TOTAL REQUEST ROUNDED				49950
TOTAL REQUEST				49950
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1050)

10.Description of Proposed Construction

Provides Bachelor Enlisted Quarters for 818 E1 - E3 personnel. 205 Expanded 1+1 modules each containing two-room private sleeping/living room areas and closets for up to four people (2 people per room) will be constructed. This includes a shared bathroom, kitchenette, and a stacked washer/dryer area. This project supports the Navy's Homeport Ashore Program to house homeported single sailors on shore in lieu of on board while in port. Currently when ships return to homeport, sailors must sleep aboard in bunk beds in cramped spaces with dozens of shipmates, and only a small locker to store their personal belongings.

The site available for the BEQ is adjacent to other BEQs at NAVSTA Everett, but is

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N68967 NAVAL STATION EVERETT EVERETT, WASHINGTON	4.Project Title BEQ HOMEPORT ASHORE (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P155	Auth 70,950 Approp 49,950 Auth for Approp 49,950

irregularly shaped, requiring the BEQ to be split into two buildings. This project is arranged to minimize impact on existing roadways and parking. Additional security measures, including refuse / equipment screens, bollards and security fencing with gates, will also be provided.

The BEQ and parking garage will be built on pile foundations due to the geotechnical characteristics of NAVSTA Everett. Sustainable design will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other directives. Built-In Equipment includes elevators and kitchenettes. Special Costs include seismic adjustments, site clearance (removal and disposal of concrete and asphalt of the site) and bird control. Special Construction Features include sloping roof and Building Exterior Architecture plans (building exterior must be uniform with other existing facilities located at Naval Station Everett). Special Foundation Features include friction pile foundations and slabs-on-grade.

Intended Grade Mix: 818 E1-E3
Maximum Utilization: 818 E1-E3

11.Requirement: 33965m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:
This project provides Bachelor Enlisted Quarters for 818 E1 - E3 personnel as part of the Navy's Homeport Ashore Program.
(Current Mission)

REQUIREMENT:
Adequate housing facilities and parking are required for shipboard personnel homeported at Naval Station Everett. The requirement is part of the Navy's Homeport Ashore Program that will eliminate having sailors live aboard ships when in homeport in conditions that are cramped and inadequate.

CURRENT SITUATION:
Naval Station Everett is homeport for six combatant ships and one CVN Carrier. This facility is required to support homeported shipboard personnel from a carrier battle group consisting of CVN class carrier and associated combatant ships. The Navy's Homeport Ashore Program to house single sailors on shore in lieu of onboard ship further exacerbates an already critical shortfall in available housing resources and cannot be met with the spaces currently available.

IMPACT IF NOT PROVIDED:

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N68967	4.Project Title
NAVAL STATION EVERETT EVERETT, WASHINGTON	BEQ HOMEPORT ASHORE (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P155	Auth 70,950 Approp 49,950 Auth for Approp 49,950

Naval Station Everett will continue to have a shortage of BEQ space available for permanent party E1 - E3 currently stationed on board homeported ships at NAVSTA Everett. With the current resources available, Naval Station Everett will not be able to comply with the Navy Homeport Ashore Program to house single sailors on shore vice on board ship. Compared to typical BEQ living, conditions for sailors who must live aboard ship are the worst throughout the Department of Defense: sleeping in bunk beds in cramped spaces with dozens of shipmates, and only a small locker to store their personal belongings. If the Navy Homeport Ashore Program is not fully implemented, Navy enlisted personnel will continue to live in crowded, inadequate facilities or be forced to find accommodations in the private sector at a much higher cost. This will further negatively impact morale, combat readiness, quality of life and retention of trained personnel. Facilities to provide basic living conditions will be inadequate to meet the present and future needs of NAVSTA Everett personnel.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005
(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(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) :	$300
(A) Production of Plans and Specifications	$250
(B) All other Design Costs	$50
(C) Total	$300
(D) Contract	$50
(E) In-House	$250

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N68967 NAVAL STATION EVERETT EVERETT, WASHINGTON	4.Project Title BEQ HOMEPORT ASHORE (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212276N	72111	P155	Auth 70,950 Approp 49,950 Auth for Approp 49,950

4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	042008

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
PSE	OPN	2007	$1,050

C. FY 2004 R&M Conducted ($000):
D. FY 2005 R&M Conducted ($000):
E. Future R&M Requirements ($000):

JOINT USE CERTIFICATION:
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: Mr. Gary Grayson Phone No: 425-304-3073

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	4.Command Commander Navy Installations	5.Area Const Cost Index 1.19

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	523	5257	2780	0	0	0	33	34	0	8627
b. End FY 2011	508	5142	2780	0	0	0	33	34	0	8497

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	38,710
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	91,475
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	66,355
f.	PLANNED IN NEXT THREE PROGRAM YEARS	32,683
g.	REMAINING DEFICIENCY	110,680
h.	**GRAND TOTAL .....**	**339,903**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
14360	ENCLOSE MOTOR TRANSFER FACILITY	920 m2	2860	08/2003	09/2005
21650	LA PRODUCTION/STORAGE COMPLEX II	16000 m2	47095	08/2002	09/2004
87210	WATERFRONT SECURITY ENCLAVE	0 LS	41520	09/2003	04/2006
	TOTAL		91475		

9. Future Projects:

a.Included In The Following Program:

14347	REACTION FORCE FAC AUX SUPP COMPLEX	3035 m2	13955
21220	EQUIPMENT MAINT BUILDING ADDITION	647 m2	3310
21650	LA PRODUCTION/STORAGE COMPLEX III	16000 m2	49090
	TOTAL		66355

b.Major Planned Next Three Years:

21220	MISSILE ASSEMBLY BLDG 3	2665 M2	17369
21420	HMMWV SUPPORT FACILITIES	750 M2	3518
85110	UTIL & SITE IMPVS	LS	3327
93220	UTIL & SITE IMPVS (PH V)	0 LS	4209
93220	UTIL & SITE IMPVS (PH V)	0 LS	4260
	TOTAL		32683

c.R&M Unfunded Requirement ($000): 2,466

10. Mission or Major Functions:

Provide support on west coast for the operational TRIDENT system of submarines and long range missiles, including processing capability for assembly and disassembly of both

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005
3.Installation and Location: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	4.Command Commander Navy Installations	5.Area Const Cost Index 1.19

explosive and non-explosive components of the TRIDENT II (D-5) missile.

Note: Block 6a and 6b personnel strength numbers are for the Host Activity, N68436 SUBBASE, Bangor, Washington.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N63402	4.Project Title
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	WATERFRONT SECURITY ENCLAVE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212476N	87210	P977	41,520

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
WATERFRONT SECURITY ENCLAVE	LS			9970
EHW SECURITY FORCE FACILITY (8,503 SF)	m2	790	5,427.83	(4290)
OPERATIONS STORAGE BUILDING (10,495 SF)	m2	975	999.19	(970)
SECURITY CABLE BARRIER (7,999 LF)	m	2,438	56.78	(140)
SECURITY FENCING 10' (7,999 LF)	m	2,438	153.20	(370)
SECURITY FENCING 7' (7,999 LF)	m	2,438	120.36	(290)
NMCI SERVICE ROOM (80 SF)	m2	7.43	1,977.07	(10)
BUILT-IN EQUIPMENT	LS			(80)
TECHNICAL OPERATING MANUALS	LS			(160)
INFORMATION SYSTEMS	LS			(130)
ANTI-TERRORISM/FORCE PROTECTION	LS			(60)
SPECIAL COSTS	LS			(3470)
SUPPORTING FACILITIES				26140
SPECIAL CONSTRUCTION FEATURES	LS			(420)
OUTSIDE COMMUNICATION LINES	LS			(880)
ELECTRICAL UTILITIES	LS			(7750)
MECHANICAL UTILITIES	LS			(230)
PAVING AND SITE IMPROVEMENTS	LS			(7830)
SITE PREPARATIONS	LS			(3430)
DEMOLITION	LS			(160)
ANTI-TERRORISM/FORCE PROTECTION	LS			(5440)
SUBTOTAL				36110
CONTINGENCY (5%)				1810
TOTAL CONTRACT COST				37920
SIOH (5.7%)				2160
SUBTOTAL				40080
DESIGN/BUILD - DESIGN COST				1440
TOTAL REQUEST ROUNDED				41520
TOTAL REQUEST				41520
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(20556)

10.Description of Proposed Construction

This project provides two new waterfront security enclaves, one at the TRIDENT Delta/Marginal Wharf and the other at the Explosive Handling Wharf. The project constructs Enclave Fencing Systems (EFS), builds a new Waterfront Security Force Facility (SFF) at the Explosive Handling Wharf (EHW), demolishes an Operational Storage Building in the route of the EFS and constructs a replacement facility, and provides replacement parking and road modifications to accommodate the changes in traffic patterns introduced by establishing the security enclaves. The project furnishes regular and stand-by emergency power generation and command and control systems for all elements of the security enclave systems. Environmental restoration and mitigation will be necessary to replace areas disturbed by required construction. Provisions will be

made during construction to allow on going waterfront operations, and security escorts will be provided for construction in high security areas or during security drills/exercises.

The EFS consists of the elements that create the land side physical barrier around critical waterfront facilities. EFS elements include: 30 foot inner and outer clear zones, parallel 7-foot and 10-foot chain-link fences enclosing a 30 foot gravel isolation zone, a security cable barrier, a 20 foot wide patrol road in the inner clear zone, security lighting, lightning protection, towers and posts for mounting security sensors, and power distribution and control panels with buried conduits for power, and conduits with pull wire for the later installation of security sensors.

The project constructs the Entry Control Points (ECP) at the Delta Wharf/Marginal Wharf and the EHW enclaves. The ECPs will require the expansion of existing roadways, provisions of medians, vehicle inspection areas, traffic turn-around, bullet resistant gate houses and guard positions, vehicle barriers, overhead canopies, environmentally controlled pedestrian access shelters with access control turnstiles, security lighting, lightning protection, and other features that are required to provided a secure ECP which complies with the latest Navy standards and requirements. The two EFS enclaves require a land-water interface system at both ends that extends from the land to a depth of minus 12 feet, mean low water. At the south end of the Delta and the north end of the EHW enclaves this land-water interface will connect with the Bangor port security barrier.

The project provides a one-story Site Security Facility (SFF) with the capacity to support a 40 man security force shift, three shifts per day, seven days per week. The SFF must provide secure garaging for a maximum of four armored High Mobility Multipurpose Wheeled Vehicles (HMMWVs). Built-in equipment will include a full service galley. Force protection measures, based on a medium threat and a high level of protection, shall be provided and include perimeter clear/stand-off zones, security fencing, vehicle barriers, and provisions for the later installation of security and sensors. Special construction features include security coordination and logistics, traffic mitigation and road closures, temporary fences and barriers, mobilization and temporary offices.

The project demolishes Building 7064 (975 square meters) operational storage facility and constructs a replacement facility.

The project will improve roads to accommodate the changes in traffic patterns caused by

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	4.Project Title WATERFRONT SECURITY ENCLAVE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212476N	87210	P977	41,520

the establishment of the security enclave and to permit the rapid response backup forces to quickly arrive at all points of the enclaves. New roads include an access road for the Industrial Waste Treatment Facility, a Patrol Road from Seawolf to Archerfish Road and improvements to Greenling Road. With the establishment of the security enclaves, there will be severe restrictions on parking in the enclaves and significant numbers of parking spaces for ship personnel and Refit work force will be lost. Replacement parking areas will be provided by this project.

This project is in compliance with current seismic requirements. Sustainable design will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other directives.

Anti-terrorism/Force Protection standards will be integrated into the design, development, and construction of the project in accordance with current standards.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:
This project upgrades the existing SUBASE Bangor waterfront security fencing to Level 3 criteria, and includes site improvements to enhance waterfront security.
(Current Mission)

REQUIREMENT:
Adequate waterfront fencing, security systems, and lighting along with supporting utilities and site improvements are necessary to meet the requirements of the SUBASE Bangor RWA security. Replacement parking is required to maintain Quality of Life levels for submarine personnel.

CURRENT SITUATION:
Current waterfront security requirements require additional countermeasures consistent with the heightened threat awareness and to fully comply with Navy security requirements.

IMPACT IF NOT PROVIDED:
Without this project, TRIDENT waterfront security will not meet the heightened threat. Current Navy security requirements will not be fully satisfied.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	092005

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N63402	4.Project Title
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	WATERFRONT SECURITY ENCLAVE

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212476N	87210	P977	41,520

(C) Date Design Completed	042006
(D) Percent Completed as of SEPTEMBER 2003	3%
(E) Percent Completed as of JANUARY 2004	3%
(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) :	$580
(A) Production of Plans and Specifications	$500
(B) All other Design Costs	$80
(C) Total	$580
(D) Contract	$80
(E) In-House	$500
4. Contract Award	012006
5. Construction Start	042006
6. Construction Complete	082007

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Security System	OPN	2007	$19,000
PSE	OPN	2007	$1,556

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, and location are incompatible with use by other components.

Activity POC: Darryl Devnich Phone No: 202/764-1558

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N63402	4.Project Title
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	ENCLOSE MOTOR TRANSFER FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	14360	P964	2,860

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ENCLOSE MOTOR TRANSFER FACILITY (9,903 SF)	m2	920		1980
MOTOR TRANSFER FACILITY ADDITION (1,830 SF)	m2	170	4,414.93	(750)
EXISTING BUILDING ALTERATIONS	m2	750	855.25	(640)
BUILT-IN EQUIPMENT	LS			(370)
TECHNICAL OPERATING MANUALS	LS			(50)
SPECIAL COSTS	LS			(170)
SUPPORTING FACILITIES				600
ELECTRICAL UTILITIES	LS			(220)
MECHANICAL UTILITIES	LS			(180)
SITE PREPARATIONS	LS			(200)
SUBTOTAL				2580
CONTINGENCY (5%)				130
TOTAL CONTRACT COST				2710
SIOH (5.7%)				150
SUBTOTAL				2860
TOTAL REQUEST ROUNDED				2860
TOTAL REQUEST				2860

10.Description of Proposed Construction

Constructs a steel-framed, metal insulated paneled wall, addition to the Motor Transfer Facility with concrete spread footers on engineered fill. The addition will have powered doors, lighting, and a fire alarm and sprinkler system. Upgrades the existing Motor Transfer Facility by providing insulated steel paneled walls, additional lighting, and a fire alarm and sprinkler system. The new addition and existing structure will be provided with a heating ventilating and air conditioning (HVAC) system and a new reinforced concrete mechanical room. The mechanical room will house the HVAC system and will also be equipped with a built-in air compressor to operate existing missile motor handling equipment. Work will be conducted in the very high security SWFPAC Limited Area, and this will impact costs due to the requirement to pass through security screening prior to entrance and exit, the requirement to furnish escorts, the loss of time due to security and operational drills, and the requirement to keep the existing Limited Area in operation during construction. Special costs include seismic provisions, special concrete tolerances for air pallet operations and large power operated doors. Built in equipment includes an air compressor and HVAC equipment.

Anti-terrorism/Force Protection standards will be integrated into the design, development, and construction of the project in accordance with current standards.

The sustainable design features will be included in the design, development and

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N63402	4.Project Title
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	ENCLOSE MOTOR TRANSFER FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	14360	P964	2,860

construction for the project in accordance with Executive Order 13123 and other laws and executive orders.

11.Requirement: 920m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:

This project constructs an addition to the Motor Transfer Facility, encloses the existing facility to allow all-weather movement of TRIDENT II (D5) missile motors, and increases physical security.

(Current Mission)

REQUIREMENT:

An all-weather facility is required to receive and ship TRIDENT II (D5) missile motors. The existing facility has proven inadequate to safely process missile motors in the rainy conditions that exist at SWFPAC Bangor, WA. The through-put of missile motors has significantly increased, exacerbating the problem.

CURRENT SITUATION:

Missile motors that cannot be received because of rainy weather conditions are stored in a temporary railcar holding area. This area is highly exposed and subjects the explosive motors to a high degree of risk from terrorist activities during the storage period. In addition, the railcar environmental control systems are not designed for extended use, increasing the risk of damaged missile motors.

IMPACT IF NOT PROVIDED:

The TRIDENT mission performance at SWFPAC will continue to be exposed to unnecessary risk.

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started		082003
(B) Date 35% Design or Parametric Cost Estimate Complete		012005
(C) Date Design Completed		092005
(D) Percent Completed as of	SEPTEMBER 2004	2%
(E) Percent Completed as of	JANUARY 2005	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

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N63402	4.Project Title
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	ENCLOSE MOTOR TRANSFER FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	14360	P964	2,860

2. Basis:	
(A) Standard or Definitive Design:	No
(B) Where Design Was Previously Used:	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :	$200
(A) Production of Plans and Specifications	$150
(B) All other Design Costs	$50
(C) Total	$200
(D) Contract	$125
(E) In-House	$75
4. Contract Award	112005
5. Construction Start	122005
6. Construction Complete	082007

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. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: Darryl Devnich Phone No: 202/764-1558

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N63402	4.Project Title
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	ENCLOSE MOTOR TRANSFER FACILITY

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	14360	P964	2,860

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1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	4.Project Title LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC) INCR II

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212476N	21650	P973A	Auth 0 Approp 47,095 Auth for Approp 47,095

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC) INCR II (172,223 SF)	m2	16,000		97640
PRODUCTION/STORAGE COMPLEX (172,223 SF)	m2	16,000	4,265.00	(68240)
BUILT-IN EQUIPMENT	LS			(1470)
TECHNICAL OPERATING MANUALS	LS			(1180)
INFORMATION SYSTEMS	LS			(1770)
ANTI-TERRORISM/FORCE PROTECTION	LS			(340)
SPECIAL COSTS	LS			(24640)
SUPPORTING FACILITIES				21220
SPECIAL CONSTRUCTION FEATURES	LS			(560)
ELECTRICAL UTILITIES	LS			(2160)
MECHANICAL UTILITIES	LS			(40)
PAVING AND SITE IMPROVEMENTS	LS			(15310)
DEMOLITION	LS			(1350)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1800)
SUBTOTAL				118860
CONTINGENCY (5%)				5940
TOTAL CONTRACT COST				124800
SIOH (6%)				7490
SUBTOTAL				132290
LESS INCREMENT I AND III FUNDING	LS			-84860
LESS SIOH REDUCTION	LS			-330
TOTAL REQUEST ROUNDED				47100
TOTAL REQUEST				47095
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(11940)

10.Description of Proposed Construction

Construct a reinforced concrete, underground, multi-level re-entry body processing and storage facility. This facility includes a reinforced concrete foundation, hardened floors, and hardened load-bearing walls and roof. The existing Limited Area (LA) perimeter security zone and patrol roads will be expanded to encompass the new LAPSC. Portions of the existing LA perimeter will be demolished to provide new access roads. New security guard towers will be constructed. Work will be conducted in the very high security Strategic Weapons Facility Pacific (SWFPAC) Limited Area. Anti-Terrorism/Force Protection features are included.

Built-in equipment includes adjustable dock levelers, seven 2-ton bridge crane supports and three elevators. Special costs include seismic construction, structural excavation, special foundations and blast features, earth cover, lightweight concrete weapons

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	4.Project Title LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC) INCR II

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212476N	21650	P973A	Auth 0 Approp 47,095 Auth for Approp 47,095

isolation component separation wall storage areas and a thick slab-on-grade above the underground structure.

Supporting facilities include special foundations, underground electrical and mechanical systems, emergency generator in a hardened shelter, lightning protection and communications. Special construction features include the requirement to pass through security screening prior to entrance and exit, the requirement to furnish escorts, the loss of time due to security and operational drills, the need to construct temporary enclave fencing, the requirement to keep the existing Limited Area in operation during construction, and sustainable development features. Sustainable principles will be intregated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

Demolition includes 2,630 m2 of existing inadequate re-entry buildings (buildings 6007 and 6595) and 5,450 m2 of existing inadequate re-entry body magazines (buildings 6200 through 6220 inclusive, 21 magazines total).

11.Requirement: 16000m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:
This project provides a Limited Area Production and Storage Complex (LAPSC).
(Current Mission)

REQUIREMENT:
The Limited Area Production and Storage Complex is required for the receipt/shipment, inspection, assembly, checkout, and maintenance and storage of TRIDENT II tactical and instrumented re-entry bodies. The construction of this facility is proposed for FY2005 in support of TRIDENT II missile production.

CURRENT SITUATION:
A TRIDENT II re-entry body receipt, shipping, processing, and storage capability does not currently exist to meet projected deliveries and processing requirements.

IMPACT IF NOT PROVIDED:
Strategic Weapons Facility Pacific will be incapable of providing adequate re-entry body receipt, shipping, processing, and storage in support of the Strategic Weapons Facility production operations. A single underground protected structure provides the most robust protection for fulfilling this mission against all threats.

12.Supplemental Data:
A. Estimated Design

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N63402	4.Project Title
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC) INCR II

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0212476N	21650	P973A	Auth 0 Approp 47,095 Auth for Approp 47,095

1. Status:

(A) Date Design or Parametric Cost Estimate Started	082002
(B) Date 35% Design or Parametric Cost Estimate Complete	012004
(C) Date Design Completed	062005
(D) Percent Completed as of SEPTEMBER 2004	35%
(E) Percent Completed as of JANUARY 2005	70%
(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) :	$9,423
(A) Production of Plans and Specifications	$7,067
(B) All other Design Costs	$2,356
(C) Total	$9,423
(D) Contract	$5,889
(E) In-House	$3,534
4. Contract Award	092005
5. Construction Start	092005
6. Construction Complete	062009

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
MAINTENANCE WORKSTATIONS	WPN	2005	$2,884
SECURITY SYSTEMS, SENSORS, TOOLS, TESTING EQUIP	OMN	2006	$5,056
SECURITY SYSTEMS, WEAPONS, INTRUSION DETECTION SYS	OPN	2007	$4,000

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	4.Project Title LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC) INCR II

5.Program Element 0212476N	6.Category Code 21650	7.Project Number P973A	8.Project Cost ($000) Auth 0 Approp 47,095 Auth for Approp 47,095

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: Theo Craigg Phone No: 360 396-8646

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: NC1002	4.Project Title
VARIOUS LOCATIONS WORLDWIDE	WHARF UPGRADES (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15210	P998	Auth 83,010 Approp 39,019 Auth for Approp 39,019

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
WHARF UPGRADES (INCR I)	LS			50740
60 HZ ELECTRICAL POWER PLANT	kw	30,000	1,154.32	(34630)
DISTRIBUTION FACILITY	LS			(1140)
EMERGENCY OPERATIONS CENTER	LS			(2510)
FIRE ALARM	LS			(120)
PRODUCTION FACILITY	m2	480	3,390.00	(1630)
WHARF UPGRADES	LS			(2330)
BUILT-IN EQUIPMENT	LS			(7150)
TECHNICAL OPERATING MANUALS	LS			(600)
INFORMATION SYSTEMS	LS			(630)
SUPPORTING FACILITIES				23490
SPECIAL CONSTRUCTION FEATURES	LS			(360)
SPECIAL FOUNDATION FEATURES	LS			(6240)
ELECTRICAL UTILITIES	LS			(8260)
MECHANICAL UTILITIES	LS			(5900)
PAVING AND SITE IMPROVEMENTS	LS			(1140)
SITE PREPARATIONS	LS			(340)
DEMOLITION	LS			(1250)
SUBTOTAL				74230
CONTINGENCY (5%)				3710
TOTAL CONTRACT COST				77940
SIOH (6.5%)				5070
SUBTOTAL				83010
LESS INCREMENT II FUNDING	LS			-43991
TOTAL REQUEST ROUNDED				39019
TOTAL REQUEST				39019
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(3461)

10.Description of Proposed Construction

This project proposes to upgrade the existing infrastructure at existing waterfront areas to support Naval Vessels and construct a new Utility Plant consisting of three (3) 10-MW Combustion Turbine Generators to generate 60 Hertz (Hz) electrical power. This project also provides shore utilities to the same waterfront areas in support of workshop and supply barges. Upgrade of waterfront structure includes installation of batter piles at various locations to reinforce the waterfront deck structure for the purpose of mooring vessels. Project includes removal of concrete deck structure, drilling into harbor bottom, pile driving, pile load testing, installing concrete pile caps, replacement of concrete deck structure, removal of cleats, installation of bollards and double bitts, installation of a fender backing system to accommodate floating pneumatic fenders. Installation of water production facility involves the

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE	4.Project Title WHARF UPGRADES (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15210	P998	Auth 83,010 Approp 39,019 Auth for Approp 39,019

construction of a one-story reinforced concrete building on pile foundation, reinforced concrete floor, minimum interior ceiling height of 10 meters, built-in foundations for equipment. Water distribution line from the water production facility to the waterfront structure. Electrical system installation includes retrofit and upgrade of the existing bus, addition of vacuum circuit breakers, installation of four electrical substations on a concrete foundations with associated switchgear, vacuum breakers, metering, wiring, tie-ins, trenching, ductwork, and cabling. Steam and condensate lines will include upgrade of existing steam distribution system in specific areas. Saltwater system improvements will include the addition of pumps, associated piping, valves, hardware, and outlets and specified locations. Wastewater upgrades include replacement of specific lines with a pressure manifold line and replacement of existing ship to shore receiving hose connections, some additional gravity flow appurtenances will be added for support craft. Water system improvements include reduced pressure backflow preventers, three buried water lines to support waterfront areas. Construct a compressed air system with outlets at specified areas. Information systems will include a communication cable system to support waterfront area. Install new security fence at waterfront, lighting, relocation of signage and bus stop, vehicle guard rails, and landscaping.

Construct emergency operations center including raised flooring, information systems connections, emergency generator, and utilities.

Utility plant work includes constructing a 2,500 M2 (26,900 SF), Power Plant (Combustion Turbine Generators) Facility with a high bay ceiling to clear the generators' stack (about 12 meters high). The building construction includes steel frame structure with metal-sided walls, metal roof, and concrete floor/foundation designed to meet wind and seismic requirements as specified in TI 809-04 Seismic Design for Buildings (Dec 98), Seismic Use Group IIIE, Essential Facilities. Demolish existing buildings and relocate existing facilities to provide a clear sites for the new power plant.

Utility plant includes the following:
Generator Room for three (3) 10-MW Combustion Turbine Generators, including special reinforced concrete foundation to support weight of generators. Generator room includes space for gas turbine auxiliary and control panels, Feed Water Tanks, Fuel Gas Compressors, and Cooling
Towers. Construct Building Entrance Telecommunications (BET) room, mechanical and electrical room, lobby, freight elevator, and interior and exterior stairs. Switchgear room, Supervisory Control and Data Acquisition (SCADA) room, control room,

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE	4.Project Title WHARF UPGRADES (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15210	P998	Auth 83,010 Approp 39,019 Auth for Approp 39,019

communications room, tool and storage rooms, restroom, break room, overhead cable trunk, walkway connecting bridge to adjacent central substation building, catwalk and stairs to access walkway connecting bridge.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: 240m2 **Adequate:** 0m2 **Substandard:** 0m2

PROJECT:
This project is required to support Naval Vessels.
(Current Mission)

REQUIREMENT:
Adequate facilities and utilities are required to provide safe, sufficient, and reliable support for naval vessels and personnel at various locations.

CURRENT SITUATION:
Existing facilities are insufficient for support of planned shipload. Significant infrastructure investment is necessary in order to support new ship classes.

IMPACT IF NOT PROVIDED:
The base will not be able to provide adequate shore-side utilities to certain ships and they will not be maintained as needed. Vessels will be required to use other locations for support and will incur a significant expense to the United States. Cost to maintain certain vessels at this location would be much greater than the cost of this project. Vessels will be unable to shut down their systems at this location with shore side support, therefore certain maintenance functions will be impossible at this site.

The base power system will not have sufficient capacity to provide 60 Hz electrical power to all ships in port. Under a high vessel loading condition, some, if not most, vessels will need to operate their engine plants when the total demand exceeds plant capacity. Since Naval Vessels are often deployed, they rely heavily on their ability to shut down their engines and use shore power while in port to perform mandatory maintenance and repairs. Without this project, Naval Vessels would need to continue to run their engine plants since electrical demands from Naval Vessels will exceed the amount of 60Hz shore power that can be produced at the existing power plant. This is an unacceptable condition as it would result in Naval Vessels being at a reduced state of readiness (since Naval Vessel maintenance and repair work on the engine plant would not be accomplished), which can result in a mission failure.

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: NC1002	4.Project Title
VARIOUS LOCATIONS WORLDWIDE	WHARF UPGRADES (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15210	P998	Auth 83,010 Approp 39,019 Auth for Approp 39,019

12.Supplemental Data:

A. Estimated Design

1. Status:

(A) Date Design or Parametric Cost Estimate Started	092003
(B) Date 35% Design or Parametric Cost Estimate Complete	022005
(C) Date Design Completed	092005
(D) Percent Completed as of SEPTEMBER 2004	2%
(E) Percent Completed as of JANUARY 2005	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) :	$5,000
(A) Production of Plans and Specifications	$3,800
(B) All other Design Costs	$1,200
(C) Total	$5,000
(D) Contract	$3,100
(E) In-House	$1,900
4. Contract Award	112005
5. Construction Start	122005
6. Construction Complete	042009

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Ship Support Equipment	OPN	2006	$2,000
Waterfront Support Equipment	OPN	2006	$1,200
Hoses, Assemblies	OPN	2006	$250
Power Plant Equipment	OPN	2006	$11

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE	4.Project Title WHARF UPGRADES (INCR I)

5.Program Element 0203176N	6.Category Code 15210	7.Project Number P998	8.Project Cost ($000) Auth 83,010 Approp 39,019 Auth for Approp 39,019

considerations, and location are incompatible with use by other components.

Activity POC: N/A

Phone No: N/A

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**		2.Date 08 FEB 2005
3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE		4.Project Title WHARF UPGRADES (INCR I)	
5.Program Element 0203176N	6.Category Code 15210	7.Project Number P998	8.Project Cost ($000) Auth 83,010 Approp 39,019 Auth for Approp 39,019

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N57043	4.Command	5.Area Const Cost Index
COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	Commander Navy Installations	2.02

6. Personnel

	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/04	397	2649	574	0	0	0	56	203	0	3879
b. End FY 2011	430	2942	580	0	0	0	56	203	0	4211

7. INVENTORY DATA ($000)

a.	TOTAL ACREAGE ......(Acres).....	
b.	INVENTORY AS OF 21 Jun 2004	0
c.	AUTHORIZATION NOT YET IN INVENTORY.....	25,683
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM	25,584
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	80,538
f.	PLANNED IN NEXT THREE PROGRAM YEARS	209,058
g.	REMAINING DEFICIENCY	350,991
h.	**GRAND TOTAL .....**	**691,854**

8. Projects Requested In This Program

Category Code	Project Title	Scope	Cost ($000)	Design Status Start	Design Status Complete
15220	ALPHA/BRAVO WHARVES IMPS I	0 LS	25584	08/2003	09/2005
	TOTAL		25584		

9. Future Projects:

a.Included In The Following Program:

15210	KILO WHARF EXTENSION I	122 m	25719
15220	ALPHA/BRAVO WHARVES IMPS II	0 LS	29889
81230	HARDEN ELEC SYS - MAINT BASE DIST/SUBSTA I	0 LS	24930
	TOTAL		80538

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location: N57043	4.Command	5.Area Const Cost Index
COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	Commander Navy Installations	2.02

b.Major Planned Next Three Years:

15210	KILO WHARF EXTENSION II	122	M	25123
81230	HARDEN ELEC SYS - MAINT BASE DIST/SUBSTA II	0	LS	25000
15210	DELTA/ECHO WHARVES IMPVS	5946	M2	5030
15210	ROMEO/SIERRA WHARVES IMPVS	37235	M2	8939
15210	VICTOR WHARF IMPROVEMENT	38629	M2	11407
72111	BEQ RENOVATIONS	2710	M2	9743
72111	BEQ RENOVATIONS	2710	M2	9946
73020	MOBILE SEC FORCES FAC PH I	1926	M2	19142
15260	SUPPLY WHARF	10284	SY	3613
16510	DREDGING AT ROMEO/SIERRA	0	LS	19768
17940	RANGE IMPROVEMENTS	15	FP	7028
42122	NON-PROPAGATING WALL MAGAZINES	6140	M2	41467
74054	SINGLE SAILOR SUPT/GALLEY	2790	SF	22852
	TOTAL			209058

c.R&M Unfunded Requirement ($000): 218,165

10. Mission or Major Functions:

Provide the highest quality service to U.S. and Allied forces for operations, logistics and training in the Marianas.

11. Outstanding Pollution and Safety Deficiencies ($000):

a. Pollution Abatement(*): $ 0

b. Occupational Safety and Health (OSH) (#): $ 0

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N57043	4.Project Title
COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	ALPHA/BRAVO WHARVES IMPROVS (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15220	P431	Auth 55,473 Approp 25,584 Auth for Approp 25,584

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
ALPHA/BRAVO WHARVES IMPROVS (INCR I)	LS			28610
ALPHA WHARF	LS			(11410)
BRAVO WHARF	LS			(16400)
BUILT-IN EQUIPMENT	LS			(550)
TECHNICAL OPERATING MANUALS	LS			(240)
INFORMATION SYSTEMS	LS			(10)
SUPPORTING FACILITIES				21140
DREDGING	LS			(16570)
MECHANICAL UTILITIES	LS			(3850)
PAVING AND SITE IMPROVEMENTS	LS			(720)
SUBTOTAL				49750
CONTINGENCY (5%)				2490
TOTAL CONTRACT COST				52240
SIOH (6.2%)				3240
SUBTOTAL				55480
LESS INCREMENT II FUNDING	LS			-29889
TOTAL REQUEST ROUNDED				25591
TOTAL REQUEST				25584
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(325)

10.Description of Proposed Construction

Construct eight new concrete supports for the existing floating foam fender system at Alpha wharf. Concrete supports will be 3.5 meters wide by 3.5 meters deep by 0.6 meter thick to match the concrete whaler on the east end of Alpha Wharf. Four new floating fenders will be installed at new supports.

Construct a new 28 meters wide by 52 meters long pier extension at the north end of Bravo wharf. A new bulkhead will be constructed and four new floating fenders will be installed along the berthing face of the pier extension.

Upgrade existing pier side water distribution system to meet pier side fire protection criteria. Upgrade existing pier side water distribution salt water system to meet requirements for salt water cooling of SSGN/SSBN weapons systems and pier side fire protection criteria.

A new structure is required to house new pumps to be located at the end of Bravo Wharf extension. Other utility work includes extension of potable water, sewer and BOWTS piping from existing wharf to Bravo Wharf extension, with utility connections on the

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	4.Project Title ALPHA/BRAVO WHARVES IMPROVS (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15220	P431	Auth 55,473 Approp 25,584 Auth for Approp 25,584

wharf extension.

Dredge the channel entrance to inner Apra Harbor including the length along side Bravo wharf and a turning basin. Dredging is required to allow converted SSBNs (SSGNs) to enter inner Apra Harbor and berth at Bravo Wharf. Dredging at along the entire length of Alpha is required to allow visiting SSBNs/SSGNs to berth Med-moor to Alpha Wharf along each side the tender USS Frank Cable (AS-40) which is Med-moor to Alpha Wharf, and additional SSBN/SSGN parallel to Alpha Wharf.

Provide area lighting for Alpha/Bravo Wharf to support wharf side operations and physical security. Built in equipment includes emergency generators to maintain lighting, and operate salt water jockey pump and cooling system pump during power outages.

Extend existing telephone and fiber optic coverage at the Alpha-Bravo area to the Bravo wharf extension. Provide CATV service capability to Alpha-Bravo wharfs.

Construct two additional electrical manholes to intercept and re-route utility cables to the new SSGN shore service location. Provide primary feeder extension to new substation for service to the new fire pump/salt water pump building.

Lightning protection and grounding system to be provided at Alpha and Bravo Wharves for protection during ordnance transfer operations.

Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: LS **Adequate:** LS **Substandard:** LS

PROJECT:

Corrects deterioration and deficiencies at Alpha Wharf, extends Bravo Wharf by 52 meters (170 LF), and provides a new fire protection water distribution system at Alpha-Bravo Wharves. Dredges the channel entrance to inner Apra Harbor, including the length alongside Alpha and Bravo Wharves, and reinforces the length of existing Alpha and Bravo Wharves to prevent undermining of existing piling foundation when the length of Bravo wharf is dredged.

1.Component NAVY	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date 08 FEB 2005

3.Installation and Location/UIC: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	4.Project Title ALPHA/BRAVO WHARVES IMPROVS (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
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(Current Mission)

REQUIREMENT:

Modifications to the face fenders at Alpha Wharf are required to allow safe and adequate berthing of the USS Frank Cable (AS-40). A 52-meter extension to Bravo Wharf is required to allow the safe berthing of CG-47 class vessels and Ohio class submarines (SSBNs converted to SSGNs and visiting SSBNs). Dredging of inner Apra Harbor is required to allow the berthing of SSGNs/SSBNs to support 21-day voyage resupply, repair and crew changes at Guam as part of the SSGN/SSBN maintenance and modernization plan. Upgrade of the pier side water distribution system is required to provide pier side fire protection. Initial Operational Capability (IOC) for SSGNs is targeted for FY07. The required dredge depth is 12 meters.

CURRENT SITUATION:

In the U.S. Navy Apra Harbor Complex, Alpha Wharf serves as a berth for the homeported submarine tender USS Frank Cable (AS-40) and Bravo Wharf serves as a berth for support ships that include the USS Ticonderoga, (CG-47). The current physical condition of the Alpha and Bravo Wharves limits its support versatility and presents a detriment and potential safety hazard to ships berthing at these wharves. The rehabilitation of the Alpha Wharf face fender system and extension of the Bravo Wharf will provide adequate berthing capability and significantly increase flexibility to support additional activity and future requirements.

As part of the SSBN refit program, the first four Ohio-class submarines are scheduled for conversion over the next 5-years to guided missile submarines (SSGN). Homeport facilities will be located at Kings Bay Georgia and Bangor, Washington. While forward deployed, Guam will serve as a forward deployed location for crew area exchanges and voyage repairs to allow converted SSBN (SSGN) to remain close to the theater of operation to maximize forward presence. Without the dredging of inner Apra Harbor, berthing of SSGN and visiting SSBNs is not possible since SSGN/SSBN mainimum navigational draft is 10.9 meters (35.9 feet).

IMPACT IF NOT PROVIDED:

Full and efficient use of dock facilities are precluded by needed repairs, rehabilitation, and insufficient draft to serve as SSGN forward deployed location for 21-day crew change and voyage repairs. Consequently, the ability to sustain readiness of the fleet and shore activities may be seriously compromised.

12.Supplemental Data:

A. Estimated Design

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N57043	4.Project Title
COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	ALPHA/BRAVO WHARVES IMPROVS (INCR I)

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0203176N	15220	P431	Auth 55,473 Approp 25,584 Auth for Approp 25,584

1. Status:

(A) Date Design or Parametric Cost Estimate Started		082003
(B) Date 35% Design or Parametric Cost Estimate Complete		012005
(C) Date Design Completed		092005
(D) Percent Completed as of	SEPTEMBER 2004	2%
(E) Percent Completed as of	JANUARY 2005	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:	NOT APPLICABLE

3. Total Cost (C) = (A) + (B) = (D) + (E) :	$1,995
(A) Production of Plans and Specifications	$1,496
(B) All other Design Costs	$499
(C) Total	$1,995
(D) Contract	$1,247
(E) In-House	$748
4. Contract Award	122005
5. Construction Start	012006
6. Construction Complete	042009

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

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Wharf Fenders	OMN	2008	$315
Fire Extinguishers	OMN	2008	$10

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended. 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.

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	4.Project Title ALPHA/BRAVO WHARVES IMPROVS (INCR I)

5.Program Element 0203176N	6.Category Code 15220	7.Project Number P431	8.Project Cost ($000) Auth 55,473 Approp 25,584 Auth for Approp 25,584

Activity POC: Lou Santos Phone No: (671)339-5185

1.Component NAVY	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2.Date 08 FEB 2005

3.Installation and Location/UIC: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	4.Project Title ALPHA/BRAVO WHARVES IMPROVS (INCR I)

5.Program Element 0203176N	6.Category Code 15220	7.Project Number P431	8.Project Cost ($000) Auth 55,473 Approp 25,584 Auth for Approp 25,584

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1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N64482	4.Project Title
PLANNING /DESIGN WASHINGTON, DISTRICT OF COLUMBIA	PLANNING AND DESIGN

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0901211N		P206	Auth 0 Approp 29,512 Auth for Approp 29,512

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
PLANNING AND DESIGN	LS			50510
DESIGN COSTS	LS			(50510)
SUPPORTING FACILITIES				
SUBTOTAL				50510
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				50510
SIOH (0%)				0
SUBTOTAL				50510
FINANCED FROM PRIOR YEARS	LS			-21000
TOTAL REQUEST ROUNDED				29510
TOTAL REQUEST				29512

10.Description of Proposed Construction

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, unspecified minor construction, emergency construction, land appraisals, and other projects as directed. Engineering investigations, such as field surveys and foundation exploration, will be undertaken as necessary.

11.Requirement:

PROJECT:
Planning and design funds.
(Current Mission)

REQUIREMENT:
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.

CURRENT SITUATION:
N/A

IMPACT IF NOT PROVIDED:
N/A

12.Supplemental Data:

A. Estimated Design

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N64482	4.Project Title
PLANNING /DESIGN WASHINGTON, DISTRICT OF COLUMBIA	PLANNING AND DESIGN

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0901211N		P206	Auth 0 Approp 29,512 Auth for Approp 29,512

1. Status:
   (A) Date Design or Parametric Cost Estimate Started
   (B) Date 35% Design or Parametric Cost Estimate Complete
   (C) Date Design Completed
   (D) Percent Completed as of SEPTEMBER 2004
   (E) Percent Completed as of JANUARY 2005
   (F) Type of Design Contract
   (G) Parametric Estimate used to develop cost
   (H) Energy study/Life cycle analysis performed
2. Basis:
   (A) Standard or Definitive Design:
   (B) Where Design Was Previously Used:
3. Total Cost (C) = (A) + (B) = (D) + (E) : $0
   (A) Production of Plans and Specifications
   (B) All other Design Costs
   (C) Total $0
   (D) Contract
   (E) In-House
4. Contract Award
5. Construction Start
6. Construction Complete

B. Equipment associated with this project which will be provided from other appropriations: None

JOINT USE CERTIFICATION:
N/A

Activity POC: CDR Erica Sahler Phone No: (703)-601-1631

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N64481	4.Project Title
MINOR CONSTRUCTION WASHINGTON, DISTRICT OF COLUMBIA	UNSPECIFIED MINOR CONSTRUCTION

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0901211N		P206	Auth 0 Approp 0 Auth for Approp 0

9.COST ESTIMATES

Item	UM	Quantity	Unit Cost	Cost($000)
UNSPECIFIED MINOR CONSTRUCTION	LS			8310
UNSPECIFIED MINOR CONSTRUCTION	LS			(8310)
SUBTOTAL				8310
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				8310
SIOH (0%)				0
SUBTOTAL				8310
FINANCED FROM PRIOR YEARS	LS			-8304
TOTAL REQUEST ROUNDED				6
TOTAL REQUEST				0

10.Description of Proposed Construction

Projects authorized by Title 10 USC 2805 not otherwise authorized by law having an approved cost of $1,500,000 or less, including construction, alteration, or conversion of permanent or temporary facilities. Projects intended solely to correct a deficiency that is life-threatening, health-threatening, or safety-threatening, may have an approved cost equal to or less than $3,000,000. Total request includes funds for supervision, inspection, and overhead.

11.Requirement:

PROJECT:
Unspecified Minor Construction.
(Current Mission)

REQUIREMENT:
Title 10 USC 2805 provides authority to the Secretary of Defense and the Secretaries of the Military Departments to acquire, construct, extend, alter or install permanent facilities having an approved cost of $1,500,000 or less not otherwise authorized by law. Included are those items required for which a need cannot reasonably be foreseen nor justified in time to be included in an annual military construction program, but are so urgently required that financing cannot be deferred until legislation in support of a new program is enacted.

CURRENT SITUATION:
N/A

IMPACT IF NOT PROVIDED:
N/A

12.Supplemental Data:

A. Estimated Design

1.Component	FY 2006 MILITARY CONSTRUCTION PROGRAM	2.Date
NAVY		08 FEB 2005

3.Installation and Location/UIC: N64481	4.Project Title
MINOR CONSTRUCTION WASHINGTON, DISTRICT OF COLUMBIA	UNSPECIFIED MINOR CONSTRUCTION

5.Program Element	6.Category Code	7.Project Number	8.Project Cost ($000)
0901211N		P206	Auth 0 Approp 0 Auth for Approp 0

1. Status:
   (A) Date Design or Parametric Cost Estimate Started
   (B) Date 35% Design or Parametric Cost Estimate Complete
   (C) Date Design Completed
   (D) Percent Completed as of SEPTEMBER 2004
   (E) Percent Completed as of JANUARY 2005
   (F) Type of Design Contract
   (G) Parametric Estimate used to develop cost
   (H) Energy study/Life cycle analysis performed
2. Basis:
   (A) Standard or Definitive Design:
   (B) Where Design Was Previously Used:
3. Total Cost (C) = (A) + (B) = (D) + (E) : $0
   (A) Production of Plans and Specifications
   (B) All other Design Costs
   (C) Total $0
   (D) Contract
   (E) In-House
4. Contract Award
5. Construction Start
6. Construction Complete

B. Equipment associated with this project which will be provided from other appropriations: None

JOINT USE CERTIFICATION:
N/A

Activity POC: CDR Erica Sahler Phone No: 703-601-1631