FY 2004 Budget Estimate

AIR FORCE RESERVE COMMAND

FY 2004
MILITARY CONSTRUCTION PROGRAM

February 2003

Justification Data Submitted to Congress

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2004
MILITARY CONSTRUCTION PROGRAM

TABLE OF CONTENTS

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)

MAJOR CONSTRUCTION

FY 2004 MILITARY CONSTRUCTION STATE LIST

STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH OF APPROP	APPROP AMOUNT	DD FORM 1391 PAGE #
Maryland				
	Andrews Air Force Base			
	Upgrade Airfield Pavements	835	835	1
	Hydrant Fuel System	7,375	7,375	5
	Alter Aircraft Maintenance Shops	2,900	2,900	9
Mississippi				
	Keesler Air Force Base			
Oregon	Fuel Cell Maintenance Hangar	6,650	6,650	13
	Portland International Airport (IAP)			
	Fire/Crash Rescue Station	4,300	4,300	17
	Alter Flightline Facilities	2,900	2,900	21
	Hydrant Refueling System, Phase 2	3,050	3,050	25
	SUBTOTAL	28,010	28,010	
	TOTAL IN THE UNITED STATES	28,010	28,010	
Worldwide	Unspecified Minor Construction	5,160	5,160	
	Arch & Eng Svsc and Const Design	11,142	11,142	
	GRAND TOTAL	**44,312**	**44,312**	

AIR FORCE RESERVE COMMAND
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)

MAJOR CONSTRUCTION

FY 2004 NEW MISSION/ENVIRONMENTAL/CURRENT MISSION LISTING

LOCATION	PROJECT	APPROP	NEW/CURRENT MISSION	FOOTPRINT
Andrews AFB, MD	Upgrade Airfield Pavements	835	New	Existing
Andrews AFB, MD	Hydrant Fuel System	7,375	New	New
Andrews AFB, MD	Alter Aircraft Maintenance Shops	2,900	New	Existing
Portland IAP, OR	Fire/Crash Rescue Station	4,300	New	Existing
Portland IAP, OR	Alter Flightline Facilities	2,900	New	New
Portland IAP, OR	Hydrant Refueling System, Phase 2	3,050	New	New
Keesler AFB, MS	Fuel Cell Maintenance Hangar	6,650	Current	Existing
	TOTAL:	28,010		

Subtotals:	
New Mission	21,360
Current Mission	6,650
Unspecified Minor Construction	5,160
Arch & Eng Svcs and Const Design	11,142

FY 2004 APPROPRIATIONS TOTAL: 44,312

SECTION 1

SPECIAL PROGRAM CONSIDERATIONS

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)

MAJOR CONSTRUCTION

FY 2004 POLLUTION ABATEMENT/ENERGY CONSERVATION LISTING

No special program considerations in FY 2004.

SECTION 2

BUDGET APPENDIX EXTRACT

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND
MILITARY CONSTRUCTION PROGRAM

FY 2004 APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE RESERVE COMMAND

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air Force Reserve as authorized by Chapter 1803 of Title 10, United States Code, and military construction authorization acts, $44,312,000 in appropriations to remain available until 30 September 2008.

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND
MILITARY CONSTRUCTION PROGRAM - FISCAL YEAR 2004

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective action is accomplished in accordance with applicable standards and criteria.

Energy Conservation

Military construction projects specifically designed for energy conservation at installations have been developed, reviewed and selected with prioritization by energy savings per investment costs. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wetlands Protection

Proposed land acquisitions, disposals and installation construction projects have been planned to allow for the proper management of flood plains and protection of wetlands by avoiding long-term 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 Nos. 11988 and 22990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 900-400, 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 in this program do not directly or indirectly affect any district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the project's DD Form 1391.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Protection Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in this Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects included in this program. This program represents the most economical use of resources.

Reserve Manpower Potential

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other services having Reserve flying/non-flying units in these areas, that the number of units of the Reserve components of the Armed Forces presently located in these areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that can reasonably be expected to be maintained at authorized strength levels considering the number of persons living in these areas who are qualified for membership in those Reserve units.

Potential Use of Vacant Schools & Other State & Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under this program.

Congressional Reporting Requirements

Page iii, titled "New Mission/Environmental/Current Mission Listing," is in response to a Senate Appropriations Committee requirement contained on page 10 (New and Current Mission Activities) of Report #100-380.

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facilities Planning and Design Guide."

SECTION 3

INSTALLATION AND PROJECT JUSTIFICATION DATA
DD FORMS 1391 AND DD FORMS 1390

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDREWS AIR FORCE BASE, MARYLAND	UPGRADE AIRFIELD PAVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	113-321	AJXF 049003	$835

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UPGRADE AIRFIELD PAVEMENTS				827
DEMOLITION OF EXISTING CONCRETE PAVEMENT	SM	2,452	30	(74)
GRADING & BASE COURSE	SM	2,452	66	(162)
NEW CONCRETE PAVEMENT	SM	2,452	44	(108)
REMOVE & REPLACE ASPHALT OVERLAY	SM	3,716	130	(483)
SUBTOTAL				827
CONTINGENCY (5%)				41
DESIGN COST OF DESIGN BUILD				41
TOTAL CONTRACT COST				909
SUPERVISION, INSPECTION & OVERHEAD (5.7%)				52
TOTAL COST				961
TOTAL COST ROUNDED				960
FY02 INFLATION SAVINGS				-125
TOTAL REQUEST				835

10. Description of Proposed Construction: Remove, regrade, and replace structural concrete aircraft pavements north of Hangar 10 to support KC-135 aircraft. Remove and replace asphalt overlay on aircraft pavements in between hangar 10 and hangar 11.

11. REQUIREMENT: 6,168 SM ADEQUATE: 0 SM SUBSTANDARD: 6,168 SM

PROJECT: Upgrade Airfield Pavements (New Mission).

REQUIREMENT: The 459th Air Wing requires replacement and repair of existing substandard airfield pavement in order to provide adequate parking and taxi lanes for unit conversion to KC-135 aircraft. Adequate parking spaces are required for each primary assigned tanker aircraft. There will be eight Air Force Reserve KC-135 aircraft assigned to Andrews AFB at the completion of the conversion. Airfield pavements must have structural strength to support a fully loaded KC-135 and must be free of loose pavement hazards that could cause foreign object damage (FOD) to aircraft engines and components.

CURRENT SITUATION: Existing aircraft pavements north of hangar 10 are seriously degraded and subsiding and will not support the weight of the KC-135 aircraft. Although work-arounds have been developed for current mission requirements, conversion to KC-135 aircraft necessitates use of this failing pavement area. In addition, the severely degraded condition of the asphalt airfield pavement overlays between hangar 10 and hangar 11 pose a serious FOD hazard to the low hanging engines of the KC-135 aircraft.

IMPACT IF NOT PROVIDED: Parking and operational space will be deficient. Degraded pavements will pose a high FOD hazard to newly assigned aircraft, creating damage risk to expensive KC 135 weapon system. Potential loss of operational aircraft limits mission readiness.

ADDITIONAL: POC is Valerie Stacey, AFRC/CEPR, DSN 497-1108. REPAIR WORK: 6,168 SM = 66,392 SF.

JOINT USE CERTIFICATION: Although this project has not been reviewed by the JSRB, upgraded pavements at Andrews will benefit all Services that have aircraft that pass through Andrews.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION

ANDREWS AIR FORCE BASE, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
UPGRADE AIRFIELD PAVEMENTS	AJXF049003

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Feb 03
b. Parametric Cost Estimate used to develop costs	No
c. Percentage Complete as of January 1, 2003	0%
d. Date Design 35% Complete	May 03
e. Date Design Complete (Design-Build construction complete)	Jan 05

2. BASIS

a. Standard or Definitive Design - Yes___ No_X__.
b. Where Design Was Most Recently Used __N/A__.

3. COST (Total) = c = a + b or d + e ($000)

a. Production of Plans and Specifications (35% design)	(__33)
b. All Other Design Costs (Design-build)	(__41)
c. Total	(__74)
d. Contract (A-E)	(____)
e. In-house (management)	(____)

4. CONSTRUCTION START __Jan 04__ (year and month)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
Andrews Air Force Base, Maryland

4. AREA COST INDEX
0.96

5. FREQUENCY AND TYPE UTILIZATION
Daily maintenance operations for assigned aircraft.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Air National Guard
Naval Reserve

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
113-321	Upgrade Airfield Pavements	6,168 SM	960	FY03	FY05 (DB)
121-222	Fuel Hydrant System	6 pits	7,800	FY02	FY04
211-152	Alter Shops and Hangars	3,571 SM	3,100	FY03	FY05 (DB)

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

New Mission Requirements not yet reviewed by State Board

9. LAND ACQUISITION REQUIRED NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR

11. RPM BACKLOG AT THIS INSTALLATION ($000): 4,555

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION

Andrews Air Force Base, Maryland

11. AFRC PERSONNEL STRENGTH AS OF 26 Jun 2002

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	252	24	199	29	1215	207	1008
ACTUAL	187	20	138	29	1351	243	1108

12. RESERVE UNIT DATA

UNIT DESIGNATION		STRENGTH AUTHORIZED	STRENGTH ACTUAL
459th AW Units		1122	1180
69 Aerial Port Squadron		242	226
756 Airlift Squadron		103	132
	Total	1467	1538

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C141C	9	9

CONVERTING TO KC-135 AIRCRAFT

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDREWS AIR FORCE BASE, MARYLAND	HYDRANT FUEL SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	121-122	AJXF049000	$7,375

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HYDRANT FUEL SYSTEM				7,047
PITS, GROUNDING & DISPENSING SYSTEM	EA	6	833,000	(5,000)
PIPING	LM	1,829	450	(823)
TANKS	EA	2	600,000	(1,200)
SITE WORK	LS			(35)
SUBTOTAL				7,058
CONTINGENCY (5%)				353
TOTAL CONTRACT COST				7,411
SUPERVISION, INSPECTION & OVERHEAD (5.7%)				422
TOTAL COST				7,833
TOTAL COST ROUNDED				7,800
FY02 INFLATION SAVINGS				-425
TOTAL REQUEST				7,375

10. Description of Proposed Construction: Construct new Type III fuel hydrant system for 459th Air Wing. System to consist of two 5,000 barrel fuel storage tanks, pumphouse, fuel transfer piping, connection to existing installation bulk fuel storage system and three rows of hydrant pits on the current parking apron. Each of the three rows will contain 2 hydrant fueling pits. New pipeline shall be connected from the bulk storage Type III system to two new storage tanks east of building 3623, south of building 3615, and east of building 3692 respectively. New pipeline connection shall be tied in between row one and taxiway E. All portions of the system, above and below ground, will comply with current environmental protection standards.

11. REQUIREMENT: 2 tanks, 6 hydrant pits ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Fuel Hydrant System. (New Mission).

REQUIREMENT: The 459th Air Wing requires on-site hydrant fueling and de-fueling capability to support mission generation requirements associated with the unit conversion to KC-135 aircraft. Six hydrant positions are required to support the new mission aircraft. In order to provide adequate operational capacity, additional bulk fuel storage and pumps will be required. Project includes two 5,000-barrel storage tanks and associated spill containment structures.

CURRENT SITUATION The 459th Air Wing does not currently have access to an on-site hydrant fueling & defueling system. Fuel service to assigned C-141 aircraft is performed via refueling trucks. Upon conversion to KC-135 aircraft, the fuel loads and operations tempo of fueling will become increasingly significant. Timely mission generation for KC-135 aircraft depend on hydrant refueling systems.

IMPACT IF NOT PROVIDED: Without a hydrant fueling & defueling system the Wing will be unable to meet critical mission generation criteria due to the time required to service the aircraft fleet with refueling trucks. Sortie generation and mission readiness will be impaired.

ADDITIONAL: POC is Valerie Stacey, AFRC/CEPR, DSN 497-1108 and Maj. Pat Blassie, 459th AW/SPTG DSN 857-2345.

JOINT USE CERTIFICATION: Although this project has not been reviewed by the JSRB, hydrant refueling at Andrews will benefit all Services that have aircraft that pass through Andrews.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
ANDREWS AIR FORCE BASE, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
HYDRANT FUEL SYSTEM	AJXF049000

12. SUPPLEMENTAL DATA: Traditional Design, Bid, Build

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started (Start of Plans & Specs)	Sep 02
b. Parametric Cost Estimate used to develop costs	No
c. Percentage Complete as of January 1, 2003	35%
d. Date Design 35% Complete	Apr 03
e. Date Design Complete	Sep 03

2. BASIS

a. Standard or Definitive Design - Yes___ No_X__.
b. Where Design Was Most Recently Used __N/A__.

3. COST (Total) = c = a + b or d + e ($000)

a. Production of Plans and Specifications (35% design)	(296)
b. All Other Design Costs (Design Build)	(371)
c. Total	(667)
d. Contract (A-E)	( )
e. In-house (management)	( )

4. CONSTRUCTION START Jan 04 (year and month)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
Andrews Air Force Base, Maryland

4. AREA COST INDEX
0.96

5. FREQUENCY AND TYPE UTILIZATION
Daily maintenance operations for assigned aircraft.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Air National Guard
Naval Reserve

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
113-321	Upgrade Airfield Pavements	6,168 SM	960	FY03	FY05 (DB)
121-222	Fuel Hydrant System	6 pits	7,800	FY02	FY04
211-152	Alter Shops and Hangars	3,571 SM	3,100	FY03	FY05 (DB)

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

New Mission Requirements not yet reviewed by State Board

9. LAND ACQUISITION REQUIRED NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR

11. RPM BACKLOG AT THIS INSTALLATION ($000): 4,555

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION

Andrews Air Force Base, Maryland

11. AFRC PERSONNEL STRENGTH AS OF 26 Jun 2002

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	252	24	199	29	1215	207	1008
ACTUAL	187	20	138	29	1351	243	1108

12. RESERVE UNIT DATA

UNIT DESIGNATION		STRENGTH AUTHORIZED	STRENGTH ACTUAL
459th AW Units		1122	1180
69 Aerial Port Squadron		242	226
756 Airlift Squadron		103	132
	Total	1467	1538

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C141C	9	9

CONVERTING TO KC-135 AIRCRAFT

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDREWS AIR FORCE BASE, MARYLAND	ALTER AIRCRAFT MAINTENANCE SHOPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	211-152	AJXF 049002	$2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER AIRCRAFT MAINTENANCE SHOPS				2,296
MODIFY HANGAR DOORS	EA	2	255,000	(510)
INTERIOR RENOVATIONS	SM	3,571	500	(1,786)
SUPPORTING UTILITIES				450
ELECTRICAL & MECHANICAL REPAIRS	LS			(350)
COMMUNICATIONS	LS			(60)
INTERIOR DEMOLITION	LS			(40)
SUBTOTAL				2,650
CONTINGENCY (5%)				133
DESIGN COST OF DESIGN BUILD				133
TOTAL CONTRACT COST				2,916
SUPERVISION, INSPECTION & OVERHEAD (5.7%)				166
TOTAL COST				3,082
TOTAL COST ROUNDED				3,100
FY02 INFLATION SAVINGS				-200
TOTAL REQUEST				2,900

10. Description of Proposed Construction: Alter hangar doors on buildings 3640 and 3629 to allow tail-out maintenance of KC-135 aircraft. Modify interior utility systems of both buildings to accommodate fuel system maintenance of KC135 aircraft. Reconfigure interior of both building to create adequate shop space for KC-135 component maintenance. All fire protection and utility systems will be upgraded to current AF standards.

11. REQUIREMENT: 3,571 SM ADEQUATE: 0 SM SUBSTANDARD: 3,571 SM

PROJECT: Alter Aircraft Maintenance Shops (New Mission).

REQUIREMENT: The 459th Air Wing requires modification to existing hangar doors and hangar component shops in order to provide adequate maintenance facilities for unit conversion to KC-135 aircraft. Hangar doors on two buildings will be modified to allow tail-out enclosure of KC-135 aircraft. One of the hangars must be modified to support fuel systems maintenance on the KC-135 aircraft. Another hangar must be modified to support unscheduled maintenance for the airframe. Additionally, the hangar reconfigured for unscheduled maintenance must also be modified to support KC-135 fabrication shop requirements.

CURRENT SITUATION: All hangar and shop space currently utilized by the 459th is configured to support C-141 aircraft and associated component repair requirements. Due to size the difference between the C-141 and KC-135 airframe, existing hangars and shops cannot accommodate the KC-135 aircraft unless modified.

IMPACT IF NOT PROVIDED: Timely, effective, and sustained maintenance of unit assigned aircraft cannot be accomplished without properly configured facilities. Fuel-cell maintenance and component fabrication will have to be performed outside or at a different location, costing time and extra funding. Mission generation will suffer.

ADDITIONAL: POC is Valerie Stacey, AFRC/CEPR, DSN 497-1108 and Maj. Pat Blassie, 459th AW/SPTG DSN 857-2345.

JOINT USE CERTIFICATION: This project has not been reviewed by the JSRB, mission requirements are not conducive to joint use.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
ANDREWS AIR FORCE BASE, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
ALTER AIRCRAFT MAINTENANCE SHOPS	AJXF049002

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Jan 03
b. Parametric Cost Estimate used to develop costs	No
c. Percentage Complete as of January 1, 2003	0%
d. Date Design 35% Complete	Apr 03
e. Date Design Complete - (Design-Build construction complete)	Jan 05

2. BASIS

a. Standard or Definitive Design - Yes___ No_X__.
b. Where Design Was Most Recently Used __N/A__.

3. COST (Total) = c = a + b or d + e ($000)

a. Production of Plans and Specifications (35% design)	(106)
b. All Other Design Costs (Design-build)	(133)
c. Total	(239)
d. Contract (A-E)	(____)
e. In-house (management)	(____)

4. CONSTRUCTION START __Jan 04__
(year and month)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
Andrews Air Force Base, Maryland

4. AREA COST INDEX
0.96

5. FREQUENCY AND TYPE UTILIZATION
Daily maintenance operations for assigned aircraft.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Air National Guard
Naval Reserve

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
113-321	Upgrade Airfield Pavements	6,168 SM	960	FY03	FY05 (DB)
121-222	Fuel Hydrant System	6 pits	7,800	FY02	FY04
211-152	Alter Shops and Hangars	3,571 SM	3,100	FY03	FY05 (DB)

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

New Mission Requirements not yet reviewed by State Board

9. LAND ACQUISITION REQUIRED NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR

11. RPM BACKLOG AT THIS INSTALLATION ($000): 4,555

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION

Andrews Air Force Base, Maryland

11. AFRC PERSONNEL STRENGTH AS OF 26 Jun 2002

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
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12. RESERVE UNIT DATA

UNIT DESIGNATION		STRENGTH AUTHORIZED	STRENGTH ACTUAL
459th AW Units		1122	1180
69 Aerial Port Squadron		242	226
756 Airlift Squadron		103	132
	Total	1467	1538

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C141C	9	9

CONVERTING TO KC-135 AIRCRAFT

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KEESLER AIR FORCE BASE, MISSISSIPPI	FUEL CELL MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	211-179	MAHG043005	$6,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL CELL MAINTENANCE HANGAR	SM	2,278	1,900	4,328
FIRE PROTECTION SYSTEM	LS			560
ANTI-TERRORISM/PHYSICAL PROTECTION				22
SUPPORTING FACILITIES	LS			1,296
UTILITIES	LS			(300)
SITE IMPROVEMENTS	LS			(250)
PAVEMENTS	LS			(385)
COMMUNICATIONS	LS			(25)
DEMOLITION	SM	1,562	215	(336)
SUBTOTAL				6,206
CONTINGENCY (5%)				310
DESIGN COST of DESIGN BUILD				310
TOTAL CONTRACT COST				6,826
SUPERVISION, INSPECTION & OVERHEAD (5.7%)				389
TOTAL COST				7,215
TOTAL COST ROUNDED				7,200
FY02 INFLATION SAVINGS				-550
TOTAL REQUEST				6,650

10. Description of Proposed Construction: High bay aircraft hangar with reinforced concrete foundation, structural steel frame, masonry walls, standing seam metal roof, concrete floor slabs, fire suppression system, site improvements, utilities, and access apron. Construction will meet architectural compatibility standards and antiterrorism/force protection criteria. Existing hangar will be demolished.

11. REQUIREMENT: 2,278 SM ADEQUATE: 0 SM SUBSTANDARD: 1,562 SM

PROJECT: Construct Aircraft Fuel Cell Maintenance Hangar (Current Mission)

REQUIREMENT: Adequately sized and functional fuel cell maintenance hangar which will fully enclose the C-130J-30 aircraft.

CURRENT SITUATION: New C-130J aircraft are 15 feet longer than existing aircraft. Existing hangar cannot accommodate the larger aircraft. The existing facility is poorly ventilated and fuel fumes are prevalent in the office areas. Due to failing foundation and antiquated mechanical systems, the existing hangar cannot be modified for new aircraft.

IMPACT IF NOT PROVIDED: Fuel cell maintenance on the C-130J-30 will have to be conducted outdoors on the parking apron. During period of inclement weather, fuel cell maintenance will not be possible. Rain and lightening cause lost productivity for thirty days per year. Containment berms have to be assembled and removed for every repair. Work arounds severely impact mission accomplishment.

ADDITIONAL: POC is Valerie Stacey, HQ AFRC/CEPD, DSN 497-1108. New Work: 2,278 SM = 24,520 SF. All known alternative options were considered during the development of this project. No other option could meet the mission requirements. Therefore, a certificate of exemption for economic analysis has been prepared.

JOINT USE CERTIFICATION: Although approved for unilateral construction, this facility can support other components. However, the scope of this project is based upon AF Reserve requirements.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
KEESLER AIR FORCE BASE, MISSISSIPPI

4. PROJECT TITLE	5. PROJECT NUMBER
FUEL CELL MAINTENANCE HANGAR	MAHG043005

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Oct 02
b. Parametric Cost Estimate used to develop costs	No
c. Percentage Complete as of January 1, 2003	35%
d. Date Design 35% Complete	Jan 03
e. Date Design Complete - (If design build, construction complete)	Dec 04

2. BASIS

a. Standard or Definitive Design - Yes___ No_X__.
b. Where Design Was Most Recently Used __N/A__.

3. COST (Total) = c = a + b or d + e ($000)

a. Production of Plans and Specifications (35% design)	(248)
b. All Other Design Costs (Design-build)	(310)
c. Total	(558)
d. Contract (A-E)	(____)
e. In-house (management)	(____)

4. CONSTRUCTION START Dec 03
(year and month)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
Keesler Air Force Base, Mississippi

4. AREA COST INDEX
0.92

5. FREQUENCY AND TYPE UTILIZATION
Daily maintenance operations for assigned aircraft.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

1 Air National Guard Unit	1 Army Reserve Unit
2 Army National Guard Units	1 Marine Corps Reserve Unit
1 Naval Reserve Unit	1 Coast Guard Reserve Unit

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
211-179	Fuel Cell Maintenance Hangar	2,278	7,200	FY02	FY04

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
Approval for unilateral construction 28 Nov 2000.

9. LAND ACQUISITION REQUIRED NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR

11. RPM BACKLOG AT THIS INSTALLATION ($000): 2,961

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION

Keesler Air Force Base, Mississippi

11. PERSONNEL STRENGTH AS OF 26 Jun 2002

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	366	62	275	29	900	154	746
ACTUAL	343	57	259	27	1,021	144	877

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
403 Aeromedical Staging Squadron	127	116
403 Recruiting	6	9
41 Aerial Port Squadron	103	101
53 Weather Squadron	133	150
815 Airlift Squadron	76	64
403 Wing	821	924
Total	1,266	1,364

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130J	4	4
WC-130H	6	10
WC-130J	4	4

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PORTLAND IAP, OREGON	FIRE/CRASH RESCUE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	130-142	TQKD012252	$4,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FIRE CRASH RESCUE STATION	SM	1,500	2,020	3,030
ANTI-TERRORISM/PHYSICAL PROTECTION	LS			15
SUPPORTING FACILITIES	LS			962
UTILITIES	LS			(357)
SITE IMPROVEMENTS	LS			(238)
PARKING & ROADS	LS			(65)
DEMOLITION	SM	800	180	(144)
COMMUNICATIONS	LS			(158)
SUBTOTAL				4,007
CONTINGENCY (5%)				200
TOTAL CONTRACT COST				4,207
SUPERVISION, INSPECTION & OVERHEAD (8%)				337
TOTAL COST				4,544
TOTAL COST ROUNDED				4,550
FY02 INFLATION SAVINGS				-250
TOTAL REQUEST				4,300
Funding from other appropriations (non-add)				612

10. Description of Proposed Construction: Construct a new facility with reinforced concrete footings, foundation, and floor slab, structural steel framing, precast concrete wall panels, metal roof decking, and preformed metal roofing panels, fascias, and trim. Includes building mechanical and electrical systems, communications/computer management system, site utilities, pavements, and site improvements. Demolition and debris removal of existing fire station is included.

11. REQUIREMENT: 1,500 SM ADEQUATE: 0 SM SUBSTANDARD: 800 SM

PROJECT: Fire/Crash Rescue Station (New Mission).

REQUIREMENT: A Fire/Crash Rescue station to house personnel, response vehicles, and equipment to support structural fire protection and crash rescue capabilities. Facility must include alarm room operations center, bunkrooms, training areas, equipment storage, and covered parking for response vehicles.

CURRENT SITUATION: Existing fire station is manned to support C-130 and HH-60 aircraft as well as the assigned Air National Guard F-15 aircraft. The existing fire station is improperly located too far from the flightline and is located at the site required for the new KC-135 maintenance hangar. The fire station is not built to current standards for space and quality. The new tanker mission requires additional crash response vehicles that will not fit in the current facility.

IMPACT IF NOT PROVIDED: This project is the first in a series for projects required to support the arrival of KC-135s at Portland. If this project does not proceed, the next critical project for hangar space cannot be accomplished. KC-135 cannot be supported at Portland without an adequately sized, located, and equipped Fire/Crash Rescue Station.

ADDITIONAL: POC is Valerie Stacey, AFRC/CEPR, DSN 497-1108. New Work: 1,500 SM = 16,146 SF.

JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
PORTLAND INTERNATIONAL AIRPORT, OREGON

4. PROJECT TITLE	5. PROJECT NUMBER
FIRE/CRASH RESCUE STATION	TQKD012252

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Dec 02
b. Parametric Cost Estimate Used to Develop Costs	No
c. Percentage Complete as of January 1, 2003	10%
d. Date Design 35% Complete	Mar 03
e. Date Design Complete or Design-Build Construction Complete	Sep 03

2. BASIS

a. Standard or Definitive Design - Yes___ No_X_.
b. Where Design Was Most Recently Used __N/A_.

3. COST (Total) = c = a + b or d + e ($000)

a. Production of Plans and Specifications (35% design)	(168)
b. All Other Design Costs (Design-build)	(210)
c. Total	(378)
d. Contract (A-E)	(____)
e. In-house (management)	(____)

4. CONSTRUCTION START Jan 04 (year and month)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Systems Furniture	3740	FY04	612

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
Portland International Airport, Oregon

4. AREA CONSTR COST INDEX
1.08

5. FREQUENCY AND TYPE UTILIZATION
Daily training and command operations of the Reserve Rescue and Refueling missions at Portland.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
Air National Guard, Portland International Airport
Jackson Armory (Army Guard)
Kliever Armory (Army Guard)
Sharff Hall (Army Guard)
Camp Withycombee (Army Guard)
NM Oregon Reserve Center (Navy, Marine)
Sears Hall Reserve Center (US Army Reserve)
Gresham Armory (Army Guard)
Vancouver 104th Training Center (Army Reserve, WA)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
130-142	Fire/Crash Rescue Station	1,500 SM	4,550	Dec 02	Sep 03
211-111	Alter Flightline Facilities	1,449 SM	3,100	Dec 02	May 05 DB
113-321	Aircraft Parking Overlay, Hydrants Ph 2	27,045 SM	3,300	Nov 01	Dec 03 (DB In Ph 1)

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Approved for unilateral construction, May 18, 2001

9. LAND ACQUISITION REQUIRED NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR
211-173	Isochronal Maintenance Hangar	2,600 SM	12,400	FY05
141-461	Consolidated Training Ph 2	1,501 SM	3,500	FY05

11. RPM BACKLOG AT THIS INSTALLATION ($000): $1,233

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
Portland International Airport, Oregon

11. PERSONNEL STRENGTH AS OF 4 Sep 2001

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	253	26	175	52	990	156	834
ACTUAL	254	27	154	53	842	132	710

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
939 RQW	67	51
303,304 RQS	184	155
83 APS	126	115
939 CES	59	55
939 SPTG	6	6
939 LG	12	8
939 LSS	61	47
939 MXS	244	199
939 MDS	104	87
939 MSQ	56	57
939 CMN	15	19
939 OPS	14	12
939 OSS	42	31
Total	990	842

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130P Airlift	10	10
HH 60G Helicopters	8	8
CONVERTING TO KC 135R TANKERS	8	

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PORTLAND IAP, OREGON	ALTER FLIGHTLINE FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	211-111	TQKD012259	$2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MODIFY SQUADRON OPERATIONS (BLDG 304)	SM	624	600	374
MODIFY HANGAR (BLDG 375)	SM	825	2,400	1,980
SUPPORTING FACILITIES	LS			300
UTILITIES	LS			(150)
SITE IMPROVEMENTS	LS			(125)
PAVEMENTS	LS			(25)
SUBTOTAL				2,654
CONTINGENCY (5%)				133
DESIGN COST OF DESIGN BUILD				133
TOTAL CONTRACT COST				2,920
SUPERVISION, INSPECTION & OVERHEAD (5.7%)				166
TOTAL COST				3,086
TOTAL COST ROUNDED				3,100
FYO2 INFLATION SAVINGS				-200
TOTAL REQUEST				2,900
Funding from other appropriations (non-add)				200

10. Description of Proposed Construction: Construct an addition to hangar 375 with reinforced concrete footings, foundation, and floor slab, structural steel framing, precast metal wall panels, metal roof decking, and preformed metal roofing panels, fascias, and trim. New hangar doors are included. Reconfigure facility 304 for KC135 Squadron Operations, to include Life Support. Includes building mechanical and electrical systems, site utilities, pavements, and site improvements for both facilities.

11. REQUIREMENT (BLDG 304): 624 SM ADEQUATE: 0 SM SUBSTANDARD: 624 SM
REQUIREMENT (BLDG 375): 2,817 SM ADEQUATE: 1,992 SM SUBSTANDARD: 825 SM

PROJECT: Alter Flightline Facilities (New Mission).

REQUIREMENT: Facilities to support maintenance and operations for KC-135R tanker aircraft. Two existing hangars can be modified to fulfill 2 of the 3 hangar requirements. This project provides the modifications required to one of the existing hangars. This hangar will be used for fuel systems maintenance. Building 304 must be reconfigured to allow for adequate squadron operations, including Life Support space. Functions displaced by this work will be housed in the new consolidated training complex.

CURRENT SITUATION: Existing hangars were constructed to support HC-130Ps. The KC-135 aircraft is 36 feet longer than the HC-130P aircraft. The existing hangar cannot function as a fuel cell hangar without extending the hangar 50 feet. Extending the hangar will require slightly taller hangar doors. Space requirements for KC-135 squadron operations exceed the current squadron operations space in building 304.

IMPACT IF NOT PROVIDED: Without these projects, the newly assigned KC-135 aircraft cannot be supported at Portland. Inadequate maintenance will cause serious safety and mission capability concerns. Overall unit wartime readiness will suffer.

ADDITIONAL: POC is Valerie Stacey, AFRC/CEPD, DSN 497-1108. New Work: 624 SM = 6717 SF

JOINT USE CERTIFICATION: Although approved for unilateral construction, this facility can support other components. However, the scope of this project is based upon AF Reserve requirements.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
PORTLAND INTERNATIONAL AIRPORT, OREGON

4. PROJECT TITLE	5. PROJECT NUMBER
CONSOLIDATED TRAINING, PHASE 1	TQKD012254

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Dec 02
b. Parametric Cost Estimate used to develop costs	No
c. Percentage Complete as of January 1, 2003	2%
d. Date Design 35% Complete	Apr 03
e. Date Design Complete - Design build Construction Complete	May 05

2. BASIS

a. Standard or Definitive Design - Yes___ No_X__.
b. Where Design Was Most Recently Used __N/A__.

3. COST (Total) = c = a + b or d + e ($000)

a. Production of Plans and Specifications (35% design)	(_124)
b. All Other Design Costs (Design-build)	(_133)
c. Total	(_257)
d. Contract (A-E)	(____)
e. In-house (management)	(____)

4. CONSTRUCTION START __May 04__
(year and month)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Systems Furniture	3740	FY04	200

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
Portland International Airport, Oregon

4. AREA CONSTR COST INDEX
1.08

5. FREQUENCY AND TYPE UTILIZATION
Daily training and command operations of the Reserve Rescue and Refueling missions at Portland.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
Air National Guard, Portland International Airport
Jackson Armory (Army Guard)
Kliever Armory (Army Guard)
Sharff Hall (Army Guard)
Camp Withycombee (Army Guard)
NM Oregon Reserve Center (Navy, Marine)
Sears Hall Reserve Center (US Army Reserve)
Gresham Armory (Army Guard)
Vancouver 104th Training Center (Army Reserve, WA)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
130-142	Fire/Crash Rescue Station	1,500 SM	4,550	Dec 02	Sep 03
211-111	Alter Flightline Facilities	1,449 SM	3,100	Dec 02	May 05 DB
113-321	Aircraft Parking Overlay, Hydrants Ph 2	27,045 SM	3,300	Nov 01	Dec 03 (DB In Ph 1)

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Approved for unilateral construction, May 18, 2001

9. LAND ACQUISITION REQUIRED NONE
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR
211-173	Isochronal Maintenance Hangar	2,600 SM	12,400	FY05
141-461	Consolidated Training Ph 2	1,501 SM	3,500	FY05

11. RPM BACKLOG AT THIS INSTALLATION ($000): $1,233

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION

Portland International Airport, Oregon

11. PERSONNEL STRENGTH AS OF 4 Sep 2001

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	253	26	175	52	990	156	834
ACTUAL	254	27	154	53	842	132	710

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
939 RQW	67	51
303,304 RQS	184	155
83 APS	126	115
939 CES	59	55
939 SPTG	6	6
939 LG	12	8
939 LSS	61	47
939 MXS	244	199
939 MDS	104	87
939 MSQ	56	57
939 CMN	15	19
939 OPS	14	12
939 OSS	42	31
Total	990	842

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130P Airlift	10	10
HH 60G Helicopters	8	8
CONVERTING TO KC 135R TANKERS	8	

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PORTLAND IAP, OREGON	HYDRANT REFUELING SYSTEM, PHASE 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	112-321	TQKD012251B	$3,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HYDRANTS (3 OUTLETS)	LS			1,530
PARKING OVERLAY	SM	27,045	0.75	947
PAVEMENT MARKINGS	SM			20
BLAST FENCE	LF	514	720	370
SUPPORTING FACILITIES	LS			87
SITE IMPROVEMENTS	LS			(87)
SUBTOTAL				2,954
CONTINGENCY (5%)				148
TOTAL CONTRACT COST				3,102
SUPERVISION, INSPECTION & OVERHEAD (5.7%)				176
TOTAL COST				3,278
TOTAL COST ROUNDED				3,300
FY02 INFLATIONS SAVINGS				-250
TOTAL REQUEST				3,050

10. Description of Proposed Construction: This is phase 2 of a 2 phase project. Extend the hydrant system that was installed in phase 1 to total 6 KC-135 parking spaces. Apply a 6" structural concrete overlay to the west half of the aircraft parking area. Install a 10 foot tall blast fence approximately 50' from the south end of parking apron.

11. REQUIREMENT: 6 EA ADEQUATE: 3 EA SUBSTANDARD: 0

PROJECT: Hydrant Refueling System, Phase 2 (New Mission).

REQUIREMENT: Hydrant refueling system and parking apron to support eight newly assigned KC-135R tanker aircraft. System must include refueling points and pipeline from the existing fuel storage tanks. Fuels management administrative office. Jet engine blast wall to protect flightline facilities and personnel.

CURRENT SITUATION: The Air Force Reserve recently converted its search and rescue mission (HC-130 aircraft and HH-60 helicopters) to an air refueling KC-135R mission at Portland IAP. There is no existing hydrant system to refuel tanker aircraft. The aircraft parking ramp is not structurally strong enough to support a fully loaded tanker. The initial temperature and velocity of the KC-135R jet engine exhaust blast requires either a blast wall or a stand-off distance of 380 feet. Existing real estate prohibits the full stand-off distance, putting facilities and personnel working in the area will be at severe physical risk. There is no current space for the additional fuels management personnel required to operate the hydrant system.

IMPACT IF NOT PROVIDED: Without this project, the newly assigned KC-135R tanker fleet will not be fully operational as the aircraft will have to be fueled using trucks. This would increase their turn-around time to an unacceptable amount of time. The airfield pavement would fail under the fully fueled aircraft loads. Limiting the fuel load in order to reduce the aircraft weight will severely limit the tanker's range and ability to accomplish the mission.

ADDITIONAL: POC is Valerie Stacey, AFRC/CEPR, DSN 497-1108. New Work: 27,045 SM = 291,110 SF.

JOINT USE CERTIFICATION: Scope of project is based on AFRC requirements. Parking apron will used primarily for AFRC assets, however transient aircraft will have the use of the apron as required for mission fulfillment.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION
PORTLAND INTERNATIONAL AIRPORT, OREGON

4. PROJECT TITLE	5. PROJECT NUMBER
HYDRANT REFUELING SYSTEM, PHASE 2	TQKD012251B

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started (Designed with Phase 1)	Nov 01
b. Parametric Cost Estimate used to develop costs	No
c. Percentage Complete as of January 1, 2003	80%
d. Date Design 35% Complete	Oct 02
e. Date Design Complete - Design Build Phase 1 Complete	Dec 03

2. BASIS

a. Standard or Definitive Design - Yes___ No_X__.
b. Where Design Was Most Recently Used __N/A__.

3. COST (Total) = c = a + b or d + e ($000)

a. Production of Plans and Specifications (35% design)	(___0)*
b. All Other Design Costs (Design-build)	(___0)*
c. Total	(___0)*
d. Contract (A-E)	(___0)
e. In-house (management)	(___0)

*Note: Designed with Phase 1 project

4. CONSTRUCTION START __Jan 04__
(year and month)

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
None			

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03
3. INSTALLATION AND LOCATION		4. AREA CONSTR COST INDEX
Portland International Airport, Oregon		1.08

5. FREQUENCY AND TYPE UTILIZATION

Daily training and command operations of the Reserve Rescue and Refueling missions at Portland.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS

Air National Guard, Portland International Airport
Jackson Armory (Army Guard)
Kliever Armory (Army Guard)
Sharff Hall (Army Guard)
Camp Withycombee (Army Guard)
NM Oregon Reserve Center (Navy, Marine)
Sears Hall Reserve Center (US Army Reserve)
Gresham Armory (Army Guard)
Vancouver 104th Training Center (Army Reserve, WA)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
130-142	Fire/Crash Rescue Station	1,500 SM	4,550	Dec 02	Sep 03
211-111	Alter Flightline Facilities	1,449 SM	3,100	Dec 02	May 05 DB
113-321	Aircraft Parking Overlay, Hydrants Ph 2	27,045 SM	3,300	Nov 01	Dec 03 (DB In Ph 1)

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Approved for unilateral construction, May 18, 2001

9. LAND ACQUISITION REQUIRED NONE

(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	YEAR
211-173	Isochronal Maintenance Hangar	2,600 SM	12,400	FY05
141-461	Consolidated Training Ph 2	1,501 SM	3,500	FY05

11. RPM BACKLOG AT THIS INSTALLATION ($000): $1,233

1. COMPONENT	FY 2004 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION

Portland International Airport, Oregon

11. PERSONNEL STRENGTH AS OF 4 Sep 2001

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	253	26	175	52	990	156	834
ACTUAL	254	27	154	53	842	132	710

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
939 RQW	67	51
303,304 RQS	184	155
83 APS	126	115
939 CES	59	55
939 SPTG	6	6
939 LG	12	8
939 LSS	61	47
939 MXS	244	199
939 MDS	104	87
939 MSQ	56	57
939 CMN	15	19
939 OPS	14	12
939 OSS	42	31
Total	990	842

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-130P Airlift	10	10
HH 60G Helicopters	8	8
CONVERTING TO KC 135R TANKERS	8	

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2004

APPROPRIATION: MILITARY CONSTRUCTION, AIR FORCE RESERVE

PROGRAM 341.020 UNSPECIFIED MINOR CONSTRUCTION $5,160,000

PART I - PURPOSE AND SCOPE

The funds requested for unspecified minor construction will finance new construction projects having cost estimates less than $1,500,000.

PART II - JUSTIFICATION OF FUNDS REQUESTED

The funds requested for unspecified minor construction will finance unforeseen projects generated during the year and are necessary to support mission requirements.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	010-211	PAYZ041341	5,160

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION	LS			5,160
SUBTOTAL				5,160
TOTAL CONTRACT COST				5,160
TOTAL REQUEST				5,160

10. Description of Proposed Construction:

11. REQUIREMENT: As required.

PROJECT: Unspecified Minor Construction

REQUIREMENT: This appropriation provides a lump sum amount for unspecified minor construction projects, not otherwise authorized by law, having a funded cost less than $1,500,000. Work includes construction, alteration or conversion of temporary facilities in accordance with Title 10, USC 18233 and 18233a. These projects are not now identified but are expected to arise in FY 04.

IMPACT IF NOT PROVIDED: No means to accomplish exigent projects costing less than $1,500,000 will exist, severely degrading the ability of the Air Force Reserve Command to efficiently and effectively address unforeseen facility modifications, alteration and conversion requirements.

SECTION 4

ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 03

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	PLANNING AND DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	010-211	PAYZ041313	11,142

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PLANNING AND DESIGN	LS			11,142
SUBTOTAL				11,142
TOTAL CONTRACT COST				11,142
TOTAL REQUEST				11,142

10. Description of Proposed Construction:

11. REQUIREMENT: As required.

PROJECT: Planning and Design. (Current Mission)

REQUIREMENT: Funds for architectural and engineering services and construction provide for the completed design of facilities and evaluation of designs in terms of technical adequacy and estimated costs. In addition, these funds are required to prepare site surveys, develop master plans, working drawings, specifications, project planning reports, and designs required for those construction projects included in the Air Force Reserve Command (AFRC) Military Construction (MILCON) Program. The advanced age and continued deterioration of the AFRC physical plant and infrastructure have generated numerous facility requirements, requiring these architectural and engineering services for design. In addition, there are numerous new mission bed down projects that received no previous planning and design funds. It is essential the AFRC be funded at the requested level to ensure operational readiness is not hampered or degraded due to inadequate facilities.

IMPACT IF NOT PROVIDED: Continued design on this fiscal year program, as well as future year MILCON programs, will be impossible.

SECTION 5

FUTURE-YEARS DEFENSE PROGRAM

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND
FUTURE YEARS MILITARY CONSTRUCTION PROGRAM ($000)

FY	State	Base	Project	Type	Footprint	PA
05	OH	Wright-Patterson AFB	C-5 Multi- Purpose Hangar	New Mission	Existing	16,600
05	OH	Wright-Patterson AFB	Airfield Pavements	New Mission	New	4,300
05	OR	Portland IAP	Aircraft Maintenance Hangar	New Mission	New	12,400
05	TX	Lackland AFB	Flight Training Ops Facility	New Mission	Existing	4,371
05	TX	Lackland AFB	Alter Aircraft Generation Facility	New Mission	New	1,350
05	TX	Lackland AFB	C-5 Ground Training Schoolhouse	New Mission	New	22,000
				Total Projects		61,021
				Planning & Design		5,493
				Unspecified MC		5,263
				Total FY05 Program		71,777
06	CA	March ARB	Alter General Maint Hangars	New Mission	Existing	9,400
06	GA	Dobbins ARB	Visiting Quarters	Current Mission	New	7,400
06	HI	Hickam AFB	Consolidated Training	Current Mission	Existing	6,350
06	IN	Grissom ARB	Radar Approach Control Facility	Current Mission	New	6,900
06	MA	Westover ARB	Base Operations	Current Mission	New	4,300
06	MO	Whiteman AFB	A-10 Squadron Operations	Current Mission	Existing	3,900
06	NC	Seymour Johnson AFB	Security Forces Operations Facility	Current Mission	New	2,300
06	OH	Wright-Patterson AFB	C-5 Maintenance Nose Dock	New Mission	Existing	15,300
06	OH	Wright-Patterson AFB	Add/Alter Flight Simulator	New Mission	Existing	800
06	OH	Wright-Patterson AFB	C-5 Fuel Systems Hangar	New Mission	Existing	10,500
06	OH	Wright-Patterson AFB	Squadron Operations Facility	New Mission	Existing	5,750
06	OH	Wright-Patterson AFB	Alter Facility for Dash 21 and NDI	New Mission	Existing	800
06	OH	Wright-Patterson AFB	Alter Fuel Hydrant Systems	New Mission	Existing	1,600
06	OH	Wright-Patterson AFB	Airfield Pavements	New Mission	New	4,400
06	OK	Tinker AFB	Squadron Operations	Current Mission	New	4,231
06	OR	Portland IAP	Consolidated Training, Phase 2	Current Mission	New	3,650
06	TX	Lackland AFB	Load Assembly Training Facility	New Mission	New	1,800
06	TX	Lackland AFB	Consolidated Maintenance Facility	Current Mission	New	8,600
				Total Projects		97,981
				Planning & Design		6,247
				Unspecified MC		5,368
				Total FY06 Program		109,596

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND
FUTURE YEARS MILITARY CONSTRUCTION PROGRAM ($000)

FY	State	Base	Project	Type	Footprint	PA
07	CO	Peterson AFB	Fuel Cell Hangar	Current Mission	New	9,150
07	FL	Patrick AFB	920th Rescue Group HQ	Current Mission	Existing	7,350
07	GA	Dobbins ARB	Upgrade Maintenance Bays	Current Mission	Existing	9,747
07	IL	Scott AFB	Support Group Training Facility	Current Mission	New	7,650
07	LA	Barksdale AFB	RED HORSE Vehicle Maintenance	Current Mission	Existing	3,100
07	LA	Barksdale AFB	Squadron Operations/AMU	Current Mission	New	5,450
07	NJ	McGuire AFB	Civil Engineer Training Facility	Current Mission	Existing	3,800
07	OH	Youngstown ARB	Joint Services Complex, Phase 1	Current Mission	Existing	10,600
07	OH	Wright-Patterson AFB	Alter Squad Operations for 4042	New Mission	Existing	2,600
07	WI	Gen Mitchell Field ARS	Fire Station	Current Mission	New	6,800
				Total Projects		66,247
				Planning & Design		6,392
				Unspecified MC		5,475
				Total FY07 Program		78,114
08	CO	Peterson AFB	Aerial Port Facility	Current Mission	Existing	6,400
08	FL	Homestead ARB	Visiting Quarters	Current Mission	New	6,400
08	LA	Barksdale AFB	B52 Fuel Cell	Current Mission	New	9,150
08	MA	Westover ARB	Visiting Quarters Phase 1	Current Mission	New	11,372
08	MN	Minn-St Paul ARS	Hangar Complex	Current Mission	Existing	19,000
08	NY	Niagara Falls ARS	Visiting Quarters Phase 1	Current Mission	Existing	9,600
08	TX	Carswell ARS	Operations Group Facility	Current Mission	New	2,100
08	UT	Hill AFB	Small Arms Training Complex	Current Mission	New	5,950
				Total Projects		69,972
				Planning & Design		6,452
				Unspecified MC		5,475
				Total FY08 Program		81,899

AIR FORCE RESERVE COMMAND
FUTURE YEARS MILITARY CONSTRUCTION PROGRAM ($000)

FY	State	Base	Project	Type	Footprint	PA
09	CA	Travis AFB	Squadron Operations Facility	Current Mission	Existing	8,500
09	GA	Dobbins ARB	Northside Overpass	Current Mission	New	4,000
09	GA	Robins AFB	Band Complex	Current Mission	New	6,000
09	FL	Eglin – Aux 3 Duke Field	Visiting Quarters	Current Mission	Existing	4,700
09	LA	New Orleans ARS	Command Post & Communications	Current Mission	New	5,000
09	LA	New Orleans ARS	Munitions Trailer Maint Facility	Current Mission	New	1,712
09	MI	Selfridge ANGB	Support & Training Facility	Current Mission	New	10,700
09	MI	Selfridge ANGB	Joint Medical Training	Current Mission	New	7,700
09	MN	Minn St Paul ARS	Consolidated Training Complex	Current Mission	Existing	5,500
09	NC	Seymour Johnson AFB	Civil Engineer Training Facility	Current Mission	Existing	2,150
09	NJ	McGuire AFB	Joint Medical Training Facility	Current Mission	New	5,100
09	PA	Pittsburgh ARS	Consolidated Lodging Phase 1	Current Mission	New	10,500
				Total Projects		71,562
				Planning and Design		7,558
				Unspecified MC		5,475
				Total FY09 Program		84,595