FY 2003 Budget Estimate

AIR FORCE RESERVE COMMAND

FY 2003
MILITARY CONSTRUCTION PROGRAM

February 2002

Justification Data Submitted to Congress

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2003
MILITARY CONSTRUCTION PROGRAM

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

MAJOR CONSTRUCTION

FY 2003 MILITARY CONSTRUCTION STATE LIST

STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH OF APPROP AMOUNT	APPROP AMOUNT	DD FORM 1391 PAGE #
Oregon	Portland International Airport (IAP)			
	Consolidated Training, Phase 1	1,609	1,609	1
	Alter Maintenance Shops	2,650	2,650	5
	Hydrant Refueling System, Phase 1	6,400	6,400	9
	Alter Maintenance Hangar	525	525	13
	SUBTOTAL	11,184	11,184	
	TOTAL IN THE UNITED STATES	11,184	11,184	
Worldwide	Unspecified Minor Construction	5,160	5,160	19
	Arch & Eng Svsc and Const Design	3,656	3,656	21
	Judgement Fund Debt Payment	11,900	11,900	23
	GRAND TOTAL	**31,900**	**31,900**	

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

MAJOR CONSTRUCTION

FY 2003 NEW MISSION/ENVIRONMENTAL/CURRENT MISSION LISTING

LOCATION	PROJECT	COST	NEW/ENVIR/ CURRENT	FOOTPRINT
Portland IAP, OR	Consolidated Training, Phase 1	1,609	New	New
Portland IAP, OR	Alter Maintenance Shops	2,650	New	Existing
Portland IAP, OR	Hydrant Refueling System, Phase 1	6,400	New	New
Portland IAP, OR	Alter Maintenance Hangar	525	New	Existing
	TOTAL	11,184		

Subtotals:	
New Mission	11,184
Current Mission	0
Environmental	0
Unspecified Minor Construction	5,160
Arch & Eng Svcs and Const Design	3,656
Judgement Fund Debt Payment	11,900
FY 2003 APPROPRIATIONS TOTAL:	**31,900**

SECTION 1

SPECIAL PROGRAM CONSIDERATIONS

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

MAJOR CONSTRUCTION

FY 2003 POLLUTION ABATEMENT/ENERGY CONSERVATION LISTING

No special program considerations in FY 2003.

SECTION 2

BUDGET APPENDIX EXTRACT

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

FY 2003 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, $31,900,000 to remain available until 30 September 2007.

DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND
MILITARY CONSTRUCTION PROGRAM - FISCAL YEAR 2003

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 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 02

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PORTLAND IAP, OREGON	CONSOLIDATED TRAINING, PHASE 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	141-461	TQKD980443	1,609

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
CONSOLIDATED TRAINING, PHASE 1	SM	314	2,971	933
ANTI-TERRORISM/PHYSICAL PROTECTION	LS			6
SUPPORTING FACILITIES	LS			130
UTILITIES	LS			(95)
PAVEMENTS	LS			(15)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				1,069
CONTINGENCY (5%)				53
DESIGN COST OF DESIGN-BUILD CONTRACT				367
TOTAL CONTRACT COST				1,489
SUPERVISION, INSPECTION & OVERHEAD (8%)				120
TOTAL REQUEST				1,609
Funding from other appropriations (non-add)				210

10. Description of Proposed Construction: Primary facility in this phase is a command post constructed of reinforced concrete footings, foundation, and floor slabs. Structural steel framing, pre-cast concrete wall panels, metal roof decking and pre-formed metal roof panels, fascia, and trim. Includes utilities, site work, communications/computer management systems, and utilities.

11. REQUIREMENT: 314 SM ADEQUATE: 0 SUBSTANDARD: 0 SM

PROJECT: Consolidated Training, Phase 1 (New Mission).

REQUIREMENT: Adequately sized and configured facility for the command and control of the newly established 939th Air Refueling Wing. Facility will house command post operations, secure communications, and training for reserve communications and plans personnel assigned at Portland International Airport (IAP).

CURRENT SITUATION: Formerly assigned mission of search and rescue only required a small portion of a squadron operations facility for its command post function and a small portion of the base communications facility for its secure comm equipment. However, the newly assigned mission of the KC-135R refuelers will require expansion of these assets as well as consolidation to adequately support mission planning, command and control. The existing facilities used are not collocated and do not meet Air Force standards for secure facilities such as secured mechanical rooms. The existing communications facility is not large enough to handle the increased secure communications equipment and information storage for the new mission. The squadron operations facility is undersized for the number of aircrew members to be assigned to the facility when all KC-135 tankers are assigned.

IMPACT IF NOT PROVIDED: New mission operations will be forced to work out of undersized, dispersed and unsecured facilities. Potential safety and security concerns would impact tanker missions and the various missions these tanker aircraft support. Proper command and control of the KC-135 tankers will be at risk.

ADDITIONAL: POC is Valerie Stacey, HQ AFRC/CEPD, DSN 497-1108. New Work: 314 SM = 3,380 SF. SIOH rate based upon USP&FO as the Air National Guard will manage this construction.

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 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 02

3. INSTALLATION AND LOCATION
PORTLAND INTERNATIONAL AIRPORT, OREGON

4. PROJECT TITLE	5. PROJECT NUMBER
CONSOLIDATED TRAINING, PHASE 1	TQKD980443

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Nov 01
b. Parametric Cost Estimate used to develop costs	No
c. Percentage Complete as of January 1, 2002	10%
d. Date Design 35% Complete	Jun 02
e. Date Design Complete - Remaining 65% design-build	Jan 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)	(80)
b. All Other Design Costs (Design-build)	(105)
c. Total	(186)
d. Contract (A-E)	(____)
e. In-house (management)	(____)

4. CONSTRUCTION START __Jan 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)
Systems Furniture	AFR O&M	FY03	210

1. COMPONENT	FY 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 02

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 Reserve Center)
Camp Withycombee (Army Guard)
NM Oregon Reserve Center (Navy, Marine)
Sears Hall Reserve Center (US Army Reserve)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
141-461	Consolidated Training Facility Phase 1	314 SM	1,600	Dec 02	Sep 02
211-152	Modify Maintenance Facilities 360, 365, 380	3,624 SM	2,650	Dec 02	Sep 02
211-173	Alter Maintenance Hangar Bldg 310	Hangar Doors & Fire Protection	525	Dec 02	Sep 02
113-321	Hydrant Refueling System, Ph 1	27,045 SM	6,400	Dec 02	Sep 02

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
130-142	Fire/Crash Rescue Station	1,500 SM	4,550	FY04
113-321	Hydrant Refueling System, Ph 2	27,045 SM	3,300	FY04
141-753	Modify Squadron Operations	624 SM	550	FY04
211-173	Alter Maintenance Hangar 375 (Fuel Cell)	825 SM	2,550	FY04
211-173	Aircraft Maintenance Hangar	2,400 SM	12,100	FY05

11. RPM BACKLOG AT THIS INSTALLATION ($000): $869.5

1. COMPONENT	FY 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 02

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	234	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 GRP	14	12
939 OSS	42	31
Total	990	842

13. MAJOR EQUIPMENT AND AIRCRAFT

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

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 02

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PORTLAND IAP, OREGON	ALTER MAINTENANCE SHOPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	211-152	TQKD012254	2,650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER ENGINE SHOP	SM	1,300	15	20
ALTER MAINTENANCE SHOP	SM	1,394	481	671
ALTER HANGAR	SM	930	1,576	1,466
SUBTOTAL				2,157
CONTINGENCY (5%)				108
DESIGN COST OF DESIGN-BUILD CONTRACT				194
TOTAL CONTRACT COST				2,459
SUPERVISION, INSPECTION & OVERHEAD (8%)				197
TOTAL REQUEST				2,655
TOTAL REQUEST (ROUNDED)				2,650

10. Description of Proposed Construction: Modify electrical/mechanical systems in Engine Shop (building 365) to support AGE equipment maintenance. Alter maintenance shop (building 360) to accommodate refueler boom, hydraulics, avionics, and maintenance management control. Alter hangar 380 to support squadron equipment storage and maintenance shops. Work includes communications support.

11. REQUIREMENT: 3,624 SM ADEQUATE: 0 SUBSTANDARD: 0 SM

PROJECT: Alter Maintenance Facilities. (New Mission)

REQUIREMENT: Adequate facilities to support KC-135R aircraft maintenance activities such as avionics, hydraulic systems, refueler boom maintenance, instrumentation, sheet metal, and engine maintenance.

CURRENT SITUATION: The Air Force Reserve currently operates HC-130 and HH-60 aircraft at Portland International Airport (IAP). The current maintenance facilities are not properly sized or configured to support the wing's newly assigned KC-135R aircraft systems. For example, building 360 currently houses HC-130 aircraft sheet metal shops, hydraulics, communication instrumentation shops, and material/quality control functions. It will not currently support the KC-135R's aerospace ground equipment (AGE) maintenance requirements. Building 365 cannot support the added functions of large jet engine inspections or repairs. Building 380 is a helicopter maintenance hangar. This space is needed for equipment storage, a new aircraft generation squadron shop and administration.

IMPACT IF NOT PROVIDED: Without this project, aircraft maintenance functions for the newly assigned KC-135R aircraft will be severely limited. Several functions will not be housed at all creating a hazardous situation for the maintenance workers and aircrews. Without adequately configured space, some maintenance functions will be delayed due to unavailable space for aircraft and components, thus delaying tanker missions.

ADDITIONAL: POC is Ms. Valerie Stacey, HQ AFRC/CEPD, DSN 497-1108. Alteration Work: 1,300 SM = 13,988 SF; 1,394 SM = 14,999 SF; 930 SM = 10,000 SF. SIOH rate based upon USP&FO as the Air National Guard will manage this construction.

JOINT USE CERTIFICATION: Although approved for unilateral construction, these facilities can be used by other components on an as available basis. However, the scope of this project is based upon AF Reserve requirements.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 02

3. INSTALLATION AND LOCATION
PORTLAND INTERNATIONAL AIRPORT, OREGON

4. PROJECT TITLE	5. PROJECT NUMBER
ALTER MAINTENANCE FACILITIES	TQKD012254

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Nov 01
b. Parametric Cost Estimate used to develop costs	No
c. Percentage Complete as of January 1, 2002	10%
d. Date Design 35% Complete	Jun 02
e. Date Design Complete - Remaining 65% design-build	Jan 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)	(__130)
b. All Other Design Costs (Design-build)	(__194)
c. Total	(__324)
d. Contract (A-E)	(____)
e. In-house	(____)

4. CONSTRUCTION START __Jan 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)
Communications Systems Furniture	AFR O&M	FY03	145

1. COMPONENT	FY 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 02
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 Reserve Center)
Camp Withycombee (Army Guard)
NM Oregon Reserve Center (Navy, Marine)
Sears Hall Reserve Center (US Army Reserve)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
141-461	Consolidated Training Facility Phase 1	314 SM	1,600	Dec 02	Sep 02
211-152	Modify Maintenance Facilities 360, 365, 380	3,624 SM	2,650	Dec 02	Sep 02
211-173	Alter Maintenance Hangar Bldg 310	Hangar Doors & Fire Protection	525	Dec 02	Sep 02
113-321	Hydrant Refueling System, Ph 1	27,045 SM	6,400	Dec 02	Sep 02

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
130-142	Fire/Crash Rescue Station	1,500 SM	4,550	FY04
113-321	Hydrant Refueling System, Ph 2	27,045 SM	3,300	FY04
141-753	Modify Squadron Operations	624 SM	550	FY04
211-173	Alter Maintenance Hangar 375 (Fuel Cell)	825 SM	2,550	FY04
211-173	Aircraft Maintence Hangar	2,400 SM	12,100	FY05

11. RPM BACKLOG AT THIS INSTALLATION ($000): $869.5

1. COMPONENT	FY 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 02

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	234	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 GRP	14	12
939 OSS	42	31
Total	990	842

13. MAJOR EQUIPMENT AND AIRCRAFT

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

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 02

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PORTLAND IAP, OREGON	HYDRANT REFUELING SYSTEM, PHASE 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	113-321	TQKD012251	6,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
HYDRANT REFUELING SYSTEM, TYPE 3 (3 OUTLETS)	LS			3,570
SUPPORTING FACILITIES	LS			1,399
AIRCRAFT PAVEMENT OVERLAY	SM	27,045	36	(947)
DRAINAGE	LS			(35)
GROUNDING POINTS	LS			(12)
BLAST FENCE	LM	156	2,371	(370)
ADD TO FUELS MANAGEMENT FACILITY	SM	19	1,879	(35)
SUBTOTAL				4,969
CONTINGENCY (5%)				248
DESIGN COST OF DESIGN BUILD CONTRACT				721
TOTAL CONTRACT COST				5,938
SUPERVISION, INSPECTION & OVERHEAD (8%)				475
TOTAL REQUEST				6,413
TOTAL REQUEST (ROUNDED)				6,400

10. Description of Proposed Construction: Install a type III hydrant refueling system including 1,950 linear feet of pipeline. Install 3 aircraft fueling pits (600 gallons per minute). Apply a 6" structural concrete overlay to the eastern portion of the aircraft parking area. Install a 10' high blast wall fence. Concrete masonry block addition to fuels management facility. Project includes pavement markings and airfield drainange.

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

PROJECT: Hydrant Refueling System, Type III, Phase 1. (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 International Airport (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 Ms. Valerie Stacey, HQ AFRC/CEPD, DSN 497-1108. New Work: 27,045 SM = 291,000 SF; 156 LM = 514 SF; 19 SM = 205 SF. SIOH rate based upon USP&FO as the Air National Guard will manage this construction.

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 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 02

3. INSTALLATION AND LOCATION
PORTLAND INTERNATIONAL AIRPORT, OREGON

4. PROJECT TITLE	5. PROJECT NUMBER
HYDRANT REFUELING SYSTEM, PHASE 1	TQKD012251

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)Phases 1& 2

1. STATUS

a. Date Design Started	Nov 01
b. Parametric Cost Estimate used to develop costs	No
c. Percentage Complete as of January 1, 2002	10%
d. Date Design 35% Complete	Jun 02
e. Date Design Complete - Remaining 65% design-build	Jan 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)	(320)
b. All Other Design Costs (Design-build Phases 1&2)	(721)
c. Total	(1,041)
d. Contract (A-E)	(_____)
e. In-house	(_____)

4. CONSTRUCTION START __Jan 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 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 02

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 Reserve Center)
Camp Withycombee (Army Guard)
NM Oregon Reserve Center (Navy, Marine)
Sears Hall Reserve Center (US Army Reserve)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
141-461	Consolidated Training Facility Phase 1	314 SM	1,600	Dec 02	Sep 02
211-152	Modify Maintenance Facilities 360, 365, 380	3,624 SM	2,650	Dec 02	Sep 02
211-173	Alter Maintenance Hangar Bldg 310	Hangar Doors & Fire Protection	525	Dec 02	Sep 02
113-321	Hydrant Refueling System, Ph 1	27,045 SM	6,400	Dec 02	Sep 02

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
130-142	Fire/Crash Rescue Station	1,500 SM	4,550	FY04
113-321	Hydrant Refueling System, Ph 2	27,045 SM	3,300	FY04
141-753	Modify Squadron Operations	624 SM	550	FY04
211-173	Alter Maintenance Hangar 375 (Fuel Cell)	825 SM	2,550	FY04
211-173	Aircraft Maintenance Hangar	2,400 SM	12,100	FY05

11. RPM BACKLOG AT THIS INSTALLATION ($000): $869.5

1. COMPONENT	FY 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 02

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	234	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 GRP	14	12
939 OSS	42	31
Total	990	842

13. MAJOR EQUIPMENT AND AIRCRAFT

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

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 02

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PORTLAND IAP, OREGON	ALTER MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	211-173	TQKD012256	525

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ALTER MAINTENANCE HANGAR	LS			400
SUPPORTING FACILITIES	LS			25
MODIFY FIRE PROTECTION SYSTEM	LS			(25)
SUBTOTAL				425
CONTINGENCY (5%)				21
DESIGN COST OF DESIGN-BUILD CONTRACT				38
TOTAL CONTRACT COST				485
SUPERVISION, INSPECTION & OVERHEAD (8%)				39
TOTAL REQUEST				523
TOTAL REQUEST (ROUNDED)				525

10. Description of Proposed Construction: Modify existing maintenance hangar, building 310, to accommodate a KC-135R aircraft in a tail-out configuration. Remove center section panels from existing hangar doors, modify for aircraft fuselage geometry, re-install door panels. Modify existing fire protection system to support the KC-135R aircraft.

11. REQUIREMENT:

PROJECT: Alter Maintenance Hangar. (New Mission)

REQUIREMENT: Aircraft maintenance hangar for newly assigned KC-135R aircraft for the 939th Air Refueling Wing at Portland International Airport (IAP). Wing requires two maintenance hangars and one fuel cell maintenance hangar. Modifications to two existing hangars can accommodate some of the requirement. A third hangar is planned in a separate request.

CURRENT SITUATION: Existing Air Force Reserve hangars at Portland IAP were constructed to support HC-130 aircraft. The newly assigned KC-135R aircraft are 36 feet longer than the HC-130. To use the existing hangar, the KC-135 will be towed into place, but the hangar doors will not close thereby exposing maintenance personnel to extreme temperatures due to this northern location. Precipitation will create a hazard on the hangar floor and possibly damage exposed aircraft components while the aircraft is under maintenance. If the weather is too severe to keep the hangar doors open, the aircraft cannot be worked on.

IMPACT IF NOT PROVIDED: Without this project, the existing aircraft maintenance hangar is only partially effective. It cannot be used in inclement weather. This will delay maintenance on the aircraft which will impact readiness. If the aircraft cannot be maintained, they cannot fly and support worldwide mobility of the nation's Air Force.

ADDITIONAL: POC is Ms. Valerie Stacey, HQ AFRC/CEPD, DSN 497-1108. The SIOH rate is based upon USP&FO as the Air National Guard will manage this construction.

JOINT USE CERTIFICATION: Although approved for unilateral construction, this facility can be used by other components on an as available basis. The scope of this project is based upon AF Reserve requirements.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AFRC		JAN 02

3. INSTALLATION AND LOCATION
PORTLAND INTERNATIONAL AIRPORT, OREGON

4. PROJECT TITLE	5. PROJECT NUMBER
ALTER MAINTENANCE HANGAR	TQKD012256

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

a. Date Design Started	Nov 01
b. Parametric Cost Estimate used to develop costs	No
c. Percentage Complete as of January 1, 2002	10%
d. Date Design 35% Complete	Mar 02
e. Date Design Complete - Remaining 65% design-build	Jan 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)	(__26)
b. All Other Design Costs (Design-build)	(__38)
c. Total	(__64)
d. Contract (A-E)	(___)
e. In-house	(___)

4. CONSTRUCTION START __Jan 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 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 02
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 Reserve Center)
Camp Withycombee (Army Guard)
NM Oregon Reserve Center (Navy, Marine)
Sears Hall Reserve Center (US Army Reserve)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN START	DESIGN COMPLETE
141-461	Consolidated Training Facility Phase 1	314 SM	1,600	Dec 02	Sep 02
211-152	Modify Maintenance Facilities 360, 365, 380	3,624 SM	2,650	Dec 02	Sep 02
211-173	Alter Maintenance Hangar Bldg 310	Hangar Doors & Fire Protection	525	Dec 02	Sep 02
113-321	Hydrant Refueling System, Ph 1	27,045 SM	6,400	Dec 02	Sep 02

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
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113-321	Hydrant Refueling System, Ph 2	27,045 SM	3,300	FY04
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211-173	Aircraft Maintenance Hangar	2,400 SM	12,100	FY05

11. RPM BACKLOG AT THIS INSTALLATION ($000): $869.5

1. COMPONENT	FY 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
AFRC		JAN 02

3. INSTALLATION AND LOCATION

Portland International Airport, Oregon

11. PERSONNEL STRENGTH AS OF 4 Sep 2001

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939 LG	12	8
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939 MXS	244	199
939 MDS	104	87
939 MSQ	56	57
939 CMN	15	19
939 OPS GRP	14	12
939 OSS	42	31
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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 2003

APPROPRIATION: MILITARY CONSTRUCTION, AIR FORCE RESERVE

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 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 02

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	PAYZ031341	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 03.

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

JUDGEMENT FUND DEBT REPAYMENT

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 02

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	PAYZ031313	3,656

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PLANNING AND DESIGN	LS			3,656
SUBTOTAL				3,656
TOTAL CONTRACT COST				3,656
TOTAL REQUEST				3,656

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. 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.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AFRC		JAN 02

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	JUDGEMENT FUND PAYMENT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55396F	010-211	PAYZ031321	11,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAJOR CONSTRUCTION	LS			11,900
SUBTOTAL				11,900
TOTAL CONTRACT COST				11,900
TOTAL REQUEST				11,900

10. Description of Proposed Construction:

11. REQUIREMENT: As required.

PROJECT: Major Construction

REQUIREMENT: This appropriation provides a lump sum amount for major construction projects, for the payment of Judgment Fund debt owed to the Department of Treasury. This payment was due at the beginning of FY2002, therefore, AFRC is now in violation of the Treasury provision for debt repayment in accordance with the Contract Disputes Act.

IMPACT IF NOT PROVIDED: No means to repay the Treasury debt are available with existing current or prior year funds. The AFRC does not have sufficient funds to repay the debt. Therefore, Section 612 Title 31 allows AFRC to request additional Congressional Appropriation for such purpose. AFRC will remain in violation of the Contract Disputes Act.

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
04	MS	Keesler AFB	Fuel Cell	Current Mission	Existing	7,500
04	OR	Portland IAP	Consolidated Training, Phase 2	Current Mission	New	4,178
04	OR	Portland IAP	Fire Station	New Mission	Existing	4,550
04	OR	Portland IAP	Alter Maintenance Hangar	New Mission	New	2,550
04	OR	Portland IAP	Hydrant Refueling System, Phase 2	New Mission	New	3,300
04	OR	Portland IAP	Alter Squadron Operations	New Mission	Existing	550
				Total Projects		22,628
				Planning & Design		3,662
				Unspecified MC		5,160
				Total FY04 Program		31,450
05	HI	Hickam AFB	Consolidated Training	Current Mission	Existing	6,478
05	MN	Minn-St Paul ARS	Consolidated Lodging, Ph 4	Current Mission	Existing	6,700
05	OR	Portland IAP	Aircraft Maintenance Hangar	New Mission	New	12,100
				Total Projects		25,278
				Planning & Design		5,392
				Unspecified MC		5,263
				Total FY05 Program		35,933
06	CO	Schriever AFB	Consolidated Space Group Ops	Current Mission	New	7,450
06	DE	Dover AFB	Aerial Port Training Facility	Current Mission	Existing	1,513
06	GA	Dobbins ARB	Visiting Quarters	Current Mission	New	7,300
06	IN	Grissom ARB	Add/Alter Maintenance Hangar	Current Mission	Existing	6,000
06	MA	Westover ARB	Base Operations	Current Mission	New	4,200
06	MO	Whiteman AFB	A-10 Squadron Operations	Current Mission	Existing	3,800
06	NC	Seymour-Johnson AFB	Security Forces Operations Facility	Current Mission	New	1,700
06	OH	Youngstown ARS	Joint Services Lodging Fac, Ph 1	Current Mission	Existing	10,300
06	OK	Tinker AFB	Squadron Operations	Current Mission	New	4,075
06	TX	Lackland AFB (Kelly Fld)	Consolidated Maintenance Facility	Current Mission	New	8,550
				Total Projects		54,888
				Planning and Design		5,778
				Unspecified MC		5,368
				Total FY06 Program		66,034
07	CO	Peterson AFB	Fuel Cell Hangar	Current Mission	Existing	9,000
07	CO	Peterson AFB	Aerial Port/Airlift Facility	Current Mission	Existing	5,800
07	FL	Eglin AFB (Duke Field)	Civil Engineering Training	Current Mission	Existing	3,600
07	FL	Patrick AFB	920 Rescue Group HQ	Current Mission	Existing	7,430
07	GA	Dobbins ARB	Upgrade Maint Bays	Current Mission	Existing	9,216
07	LA	Barksdale AFB	RED HORSE Vehicle Maint	Current Mission	Existing	3,200
07	LA	Barksdale AFB	B52 Squadron Operations/AMU	Current Mission	New	5,500
07	MA	Westover ARB	Security Police Operations	Current Mission	New	3,900
07	NY	Niagara Falls ARS	Visiting Quarters, Phase 1	Current Mission	Existing	9,150
07	WI	General Mitchell IAP	ADAL Consolidated Training	Current Mission	New	5,625
				Total Projects		62,421
				Planning & Design		5,957
				Unspecified MC		5,475
				Total FY07 Program		73,853