

**FY 2001 Budget Estimate**

# **AIR FORCE RESERVE COMMAND**



## **FY 2001 MILITARY CONSTRUCTION PROGRAM**

**February 2000**

**Justification Data Submitted to Congress**

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE COMMAND  
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2001  
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 2001 MILITARY CONSTRUCTION STATE LIST

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH AMOUNT</u>	<u>APPROP AMOUNT</u>	DD FORM 1391 <u>PAGE #</u>
Georgia	Dobbins ARB			
	C-130 Assault Strip	<u>6,032</u>	<u>6,032</u>	3
	SUBTOTAL	6,032	6,032	
Pennsylvania	Willow Grove ARS			
	Alter Hangar and Add Fire Prevention	<u>2,400</u>	<u>2,400</u>	7
	SUBTOTAL	2,400	2,400	
	TOTAL IN THE UNITED STATES	8,432	8,432	
Worldwide	Unspecified Minor Construction	4,115	4,115	
	Arch & Eng Svsc and Const Design	<u>2,304</u>	<u>2,304</u>	
	<b>GRAND TOTAL</b>	<b>14,851</b>	<b>14,851</b>	

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

**MAJOR CONSTRUCTION**

FY 2001 NEW MISSION/ENVIRONMENTAL/CURRENT MISSION LISTING

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST</u>	<u>NEW/ENVIR/ CURRENT</u>
Dobbins ARB, GA	C-130 Assault Strip	6,032	New
Willow Grove ARS, PA	Alter Hangar and Fire Suppression	<u>2,400</u>	Current
	TOTAL	8,432	
Subtotals:			
	New Mission	6,032	
	Current Mission	2,400	
	Environmental Work	0	
	Unspecified Minor Construction	4,115	
	Arch & Eng Svcs and Const Design	<u>2,304</u>	
	<b>GRAND TOTAL</b>	<b>14,851</b>	

**SECTION 1**

**SPECIAL PROGRAM CONSIDERATIONS**

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

**MAJOR CONSTRUCTION**

**FY 2001 POLLUTION ABATEMENT/ENERGY CONSERVATION LISTING**

No special program considerations in FY 2001.

**SECTION 2**

**BUDGET APPENDIX EXTRACT**

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

FY 2001 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, \$14,851,000 to remain available until 30 September 2005.



**PROGRAM AND FINANCING SCHEDULE  
TO BE PROVIDED  
PRIOR TO  
CONGRESSIONAL SUBMITTAL**

**OBJECT CLASSIFICATION SCHEDULE  
TO BE PROVIDED  
PRIOR TO  
CONGRESSIONAL SUBMITTAL**

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE COMMAND  
MILITARY CONSTRUCTION PROGRAM - FISCAL YEAR 2001**

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 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.

Section 5, titled "Future-Years Military Construction Program," is in response to a House of Representatives Authorization Conference requirement contained on page 287, Section 1257 (Information on Proposed Funding for the Guard and Reserve Components in Future-Years Defense Programs) of Report #104-724.

Section 5 also includes "Additional MILCON Projects," in response to Section 10543 of Title 10, providing a provision for additional military construction projects in the Future-years defense program in which a fiscal year is less than the "average authorized amount" applicable for those fiscal years. This section calls for a detail listing of projects which comprise the difference in 90% of the aggregate average, \$44,462,000, less the FYDP Fiscal Year Allowance.

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 1390 AND 1391**

1. COMPONENT  AFRC	<b>FY 2001 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  10 JAN 00												
3. INSTALLATION AND LOCATION  DOBBINS AIR RESERVE BASE, GEORGIA		4. AREA CONSTR COST INDEX 0.91												
5. FREQUENCY AND TYPE UTILIZATION  Facility to be used daily. Unit training assemblies are two days per month and field training is conducted 15 days per year.														
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS  2 Army Installations 1 Naval Air Station 1 Air National Guard Unit														
7. PROJECTS REQUESTED IN THIS PROGRAM  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST (\$000)</th> <th style="text-align: left;">DESIGN START</th> <th style="text-align: left;">DESIGN COMPLETE</th> </tr> </thead> <tbody> <tr> <td>111-111</td> <td>C-130 Assault Strip</td> <td>30,519 SM</td> <td>6,032</td> <td>12/99</td> <td>12/00</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE	111-111	C-130 Assault Strip	30,519 SM	6,032	12/99	12/00
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE									
111-111	C-130 Assault Strip	30,519 SM	6,032	12/99	12/00									
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION  Approval for unilateral construction		30 JUN 99 (Date)												
9. LAND ACQUISITION REQUIRED		NONE (Number of Acres)												
10. PROJECTS PLANNED IN NEXT FOUR YEARS  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST (\$000)</th> <th style="text-align: left;">YEAR</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR							
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR										
11. RPM BACKLOG AT THIS INSTALLATION (\$000):		18,500												

1. COMPONENT  AFRC	FY 2001 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE  10 JAN 00		
3. INSTALLATION AND LOCATION  DOBBINS AIR RESERVE BASE, GEORGIA							
11. PERSONNEL STRENGTH AS OF 1 SEP 98							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	<u>619</u>	<u>66</u>	<u>230</u>	<u>323</u>	<u>1327</u>	<u>224</u>	<u>1103</u>
ACTUAL	<u>499</u>	<u>53</u>	<u>199</u>	<u>247</u>	<u>1308</u>	<u>212</u>	<u>1096</u>
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>			<u>AUTHORIZED</u>	<u>ACTUAL</u>	
	22 <sup>nd</sup> AF Headquarters				92	81	
	80 <sup>th</sup> Aerial Port Squadron				209	201	
	700 <sup>th</sup> Airlift Flight				99	102	
	94 <sup>th</sup> Wing Headquarters				1,359	1,299	
	622 <sup>nd</sup> Regional Support				98	99	
	628 <sup>th</sup> Civil Engineer Squadron				15	17	
	951/952 <sup>nd</sup> Reserve Support Squadron				74	8	
	Total				<u>1,946</u>	<u>1,807</u>	
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>				<u>AUTHORIZED</u>	<u>ASSIGNED</u>	
	C-130H				8	9	

1. COMPONENT AFRC	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 10 JAN 00
3. INSTALLATION AND LOCATION DOBBINS AIR RESERVE BASE, GEORGIA			4. PROJECT TITLE C-130 ASSAULT STRIP	
5. PROGRAM ELEMENT 54343F	6. CATEGORY CODE 111-111	7. PROJECT NUMBER FGWB990043	8. PROJECT COST (\$000) 6,032	
9. COST ESTIMATES				
	U/M	QUANTITY	UNIT COST	COST (\$000)
C-130 ASSAULT STRIP	SM	30,519	73	2,228
SUPPORTING FACILITIES				3,479
TAXIWAY	SM	4,933	55	( 271)
WARM-UP HOLDING PAD WITH SHOULDERS	SM	13,041	79	( 1,030)
LIGHTS/TAKEOFF & LANDING ZONE	LM	106,666	3	( 320)
TAXIWAY LIGHTS	LM	149,333	3	( 448)
STORM DRAINAGE	LM	1,950	233	( 454)
GRADING & SITE IMPROVEMENT	SM	167,166	6	( 956)
SUBTOTAL				5,707
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				5,707
SUPERVISION, INSPECTION & OVERHEAD (5.7%)				325
TOTAL REQUEST				6,032
10. Description of Proposed Construction: Construct a paved C-130 landing zone of asphaltic concrete with shoulders on each side, overruns at each end to include landing zone (LZ) lighting system and daylight marking system. Work includes storm drainage, grading and all necessary site improvements.				
11. REQUIREMENT: 30,519 SM    ADEQUATE: 0    SUBSTANDARD: 0 <u>PROJECT:</u> Construct a C-130 assault strip. (New Mission) <u>REQUIREMENT:</u> An assault strip is required to train crews of medium size cargo aircraft (C-130) in airfield operations within the type of airfield environment found at forward operating locations. <u>CURRENT SITUATION:</u> There is no location in the geographical area of Dobbins ARB to perform the required assault takeoff and landing training. Many non-productive flying hours are wasted, from 1 to 1-1/4 hours and 320 nautical miles each way per mission, flying to a useable Short-Takeoff and Landing Zone (STOLZ). The closest STOLZ to Dobbins is Pope AFB, NC. The condition and orientation of the inactive runway versus the active runway will not permit sufficient clearance to use the inactive runway for this training. <u>IMPACT IF NOT PROVIDED:</u> Failure to provide this assault strip will seriously impair the assigned mission of this unit and the overall readiness of the Air Force. The primary combat capability of the C-130 is its ability to deliver war fighting materials to forward operating locations. Without this shortfield landing strip, the instructors will be unable to teach students this critical wartime skill. <u>ADDITIONAL:</u> POC is Mr. Richard Eunice, HQ AFRC/CEPD, DSN 497-1057. C-130 ASSAULT STRIP: 30,519 SM = 36,482 SY.				

1. COMPONENT AFRC	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 JAN 00
3. INSTALLATION AND LOCATION DOBBINS AIR RESERVE BASE, GEORGIA		
4. PROJECT TITLE C-130 ASSAULT STRIP	5. PROJECT NUMBER FGWB990043	
12. <u>SUPPLEMENTAL DATA:</u>  A. DESIGN DATA (Estimated)  1. STATUS  a. Date Design Started <u>99 DEC 15</u> b. Parametric Cost Estimate used to develop costs <u>Y</u> c. Percentage Complete as of January 1, 2000 <u>0%</u> d. Date Design 35% Complete <u>00 APR 15</u> e. Date Design Complete <u>00 DEC 15</u>  2. BASIS  a. Standard or Definitive Design - Yes <u>    </u> No <u>X</u> b. Where Design Was Most Recently Used <u>N/A</u>  3. COST (Total ) = c = a + b or d + e <span style="float: right;">(\$000)</span>  a. Production of Plans and Specifications <span style="float: right;">( <u>    </u> 30)</span> b. All Other Design Costs <span style="float: right;">( <u>    </u> 546)</span> c. Total <span style="float: right;">( <u>    </u> 576)</span> d. Contract <span style="float: right;">( <u>    </u> 460)</span> e. In-house <span style="float: right;">( <u>    </u> 116)</span>  4. CONSTRUCTION START <span style="float: right;"><u>01 JAN</u></span> <span style="float: right;">(year and month)</span>		
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:		
<u>Equipment Nomenclature</u> NONE	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>
		<u>Cost (\$000)</u>



1. COMPONENT  AFRC	<b>FY 2001 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  10 Jan 00												
3. INSTALLATION AND LOCATION  WILLOW GROVE AIR RESERVE STATION, PENNSYLVANIA		4. AREA CONSTR COST INDEX 1.03												
5. FREQUENCY AND TYPE UTILIZATION  Facility to be used daily. Unit training assemblies are two days per month.														
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS  1 Army Reserve Unit 1 Air National Guard Unit 1 Marine Corps Reserve Unit 1 Naval Reserve Unit														
7. PROJECTS REQUESTED IN THIS PROGRAM  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST (\$000)</th> <th style="text-align: left;">DESIGN START</th> <th style="text-align: left;">DESIGN COMPLETE</th> </tr> </thead> <tbody> <tr> <td>211-111</td> <td>Alter Hangar &amp; Fire Suppression</td> <td>6,600 SM</td> <td>2,400</td> <td>97 Oct</td> <td>00 Oct</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE	211-111	Alter Hangar & Fire Suppression	6,600 SM	2,400	97 Oct	00 Oct
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE									
211-111	Alter Hangar & Fire Suppression	6,600 SM	2,400	97 Oct	00 Oct									
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION  Re-approved for unilateral construction.		<u>Sep 99</u> (Date)												
9. LAND ACQUISITION REQUIRED		NONE (Number of Acres)												
10. PROJECTS PLANNED IN NEXT FOUR YEARS  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST (\$000)</th> <th style="text-align: left;">YEAR</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR							
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR										
11. RPM BACKLOG AT THIS INSTALLATION (\$000):		<u>11,100</u>												

1. COMPONENT  AFRC	FY 2001 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE  15 SEP 98		
3. INSTALLATION AND LOCATION  WILLOW GROVE AIR RESERVE STATION, PENNSYLVANIA							
11. PERSONNEL STRENGTH AS OF 1 SEP 98							
		PERMANENT			GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	<u>332</u>	<u>0</u>	<u>4</u>	<u>328</u>	<u>1,042</u>	<u>139</u>	<u>903</u>
ACTUAL	<u>345</u>	<u>0</u>	<u>4</u>	<u>341</u>	<u>829</u>	<u>122</u>	<u>707</u>
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>			<u>STRENGTH</u>			
		<u>AUTHORIZED</u>			<u>ACTUAL</u>		
	AFR Recruiting	5			5		
	31 <sup>st</sup> Aerial Port Squadron	146			130		
	327 <sup>th</sup> Airlift Squadron	144			124		
	913 <sup>th</sup> Wing Headquarters	<u>1,079</u>			<u>915</u>		
	Total	1,374			<u>1,174</u>		
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>			<u>ASSIGNED</u>		
	C-130E	12			12		

1. COMPONENT AFRC	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 10 JAN 00
3. INSTALLATION AND LOCATION WILLOW GROVE AIR RESERVE STATION, PENNSYLVANIA		4. PROJECT TITLE ALTER HANGAR AND FIRE SUPPRESSION		
5. PROGRAM ELEMENT 55396F	6. CATEGORY CODE 211-111	7. PROJECT NUMBER ZAWA950009	8. PROJECT COST (\$000) 2,400	
9. COST ESTIMATES				
	U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER HANGAR/FIRE SUPPRESSION SYS	LS			2,271
MECHANICAL (PIPES, SUPPLY, ETC.)	SM	3,669	100	( 367)
ELECTRICAL (SENSORS, ALARMS)	SM	3,669	100	( 367)
RESLOPE FLOOR	SM	3,669	54	( 275)
AFFF SEPARATOR SYSTEM	SM	3,669	95	( 300)
RENOVATE OFFICE AREA	SM	2,931	275	( 806)
REPAIR ROOF	SM	780	190	( 156)
SUBTOTAL				2,271
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				2,271
SUPERVISION, INSPECTION & OVERHEAD (5.7%)				129
TOTAL REQUEST				2,400
TOTAL REQUEST (ROUNDED)				2,400
EQUIPMENT: From Other Appropriations (Non-Add)				( 125)
10. Description of Proposed Construction: Install a new state-of-the-art fire protection system IAW ETL 98-8. Install a deluge system in the east wing shops. Upgrade the electrical systems in the avionics shops. Renovate interior of office areas, repair the roof and flashing, repair and repaint exterior walls. Work also includes resloping the floor towards a disposal trench, installing a new separator system, renovating interior office areas, repairing the single ply roof/flashing, repainting walls, and all necessary utility alterations.				
11. REQUIREMENT: 7,767 SM ADEQUATE: 1,167 SM SUBSTANDARD: 6,600 SM PROJECT: Alter Hangar and install fire suppression system. (Current Mission) REQUIREMENT: Engineering Technical Letter (ETL) 98-8 requires all hangar bays to have adequate fire protection. A high expansion foam system is recommended per ETL 98-8. The maintenance shops in the East wing have no fire protection and require a sprinkler system. The increase in personnel and associated electronic equipment has led to an inadequately designed office area. The roof has leaks and the flashing is gone in several areas leading to leaks on the exterior walls and associated safety hazards. The electrical system in the Avionics shops is antiquated, unsafe, and requires replacement to meet the National Electric Code. CURRENT SITUATION: Hangar 201 has only an antiquated deluge system currently installed, which fails to meet code. The maintenance shops in the east wing have no fire protection. The office areas, particularly on the West side are poorly laid out and impact productivity. These offices were constructed piecemeal over the past 20-25 years and do not provide a good working environment. No major upgrades, except for an interior remodeling on the East side which did not affect the roof or walls, have been accomplished since original acceptance. The electrical system has been in place since the 1960's and does not meet code. The risk of injury or fire from the electrical system remains unacceptable.				

1. COMPONENT AFRC	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 10 JAN 00
3. INSTALLATION AND LOCATION WILLOW GROVE AIR RESERVE STATION, PENNSYLVANIA		
4. PROJECT TITLE ALTER HANGAR AND FIRE SUPPRESSION	5. PROJECT NUMBER ZAWA950009	
<p><u>IMPACT IF NOT PROVIDED:</u> Aircraft maintenance could be curtailed or halted, causing a curtailment of flight operations. The risk of a Class A mishap will continue to increase and inadequate fire protection will continue. The building will continue to deteriorate from water intrusion through the walls and flashing, continuing a personal safety and health issue. The interior will continue to be inadequate for personnel comfort and optimum productivity. Productivity and safety will continue to be impacted leading to a reduction in the readiness and combat capability of the 913<sup>th</sup> Airlift Wing</p> <p><u>ADDITIONAL:</u> POC: HQ AFRC/CEPD, Ms Colette Wilhelm, DSN 497-1056. ALTER HANGAR AND ADD HIGH EXPANSION FOAM: 6,600 SM = 71,016 SF.</p>		

<b>1. COMPONENT</b> AFRC	<b>FY 2001 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b> 10 Jan 00	
<b>3. INSTALLATION AND LOCATION</b> WILLOW GROVE AIR RESERVE STATION, PENNSYLVANIA			
<b>4. PROJECT TITLE</b> ALTER HANGAR AND FIRE SUPPRESSION	<b>5. PROJECT NUMBER</b> ZAWA950009		
12. <u>SUPPLEMENTAL DATA</u> :			
A. DESIGN DATA (Estimated)			
1. STATUS			
a. Date Design Started	<u>97 OCT 01</u>		
b. Parametric Cost Estimate used to develop costs	<u>Y</u>		
c. Percentage Complete as of January 1, 2000	<u>3%</u>		
d. Date Design 35% Complete	<u>00 APR 01</u>		
e. Date Design Complete	<u>00 OCT 01</u>		
2. BASIS			
a. Standard or Definitive Design - Yes <u>    </u> No <u>X</u> .			
b. Where Design Was Most Recently Used <u>  N/A  </u> .			
3. COST (Total ) = c = a + b or d + e <span style="float: right;">(\$000)</span>			
a. Production of Plans and Specifications	(       16)		
b. All Other Design Costs	(       231)		
c. Total	(       247)		
d. Contract	(       208)		
e. In-house	(       39)		
4. CONSTRUCTION START <span style="float: right;"><u>01 FEB</u> (year and month)</span>			
B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:			
<u>Equipment</u> Nomenclature Furnishings	<u>Procuring</u> Appropriation 3740	<u>Fiscal Year</u> Appropriated Or Requested 2001	<u>Cost</u> (\$000) 125



**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE COMMAND  
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2001**

**APPROPRIATION:** MILITARY CONSTRUCTION, AIR FORCE RESERVE  
PROGRAM 341.020 UNSPECIFIED MINOR CONSTRUCTION \$4,115,000

**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 AFRC	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 10 JAN 00	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 55396F	6. CATEGORY CODE 010-211	7. PROJECT NUMBER PAYZ001341	8. PROJECT COST (\$000) 4,115		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION		LS			4,115
SUBTOTAL					4,115
TOTAL CONTRACT COST					4,115
TOTAL REQUEST					4,115
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 01. IMPACT IF NOT PROVIDED: No means to accomplish exigent projects 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  AFRC	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE  10 JAN 00	
3. INSTALLATION AND LOCATION  VARIOUS LOCATIONS			4. PROJECT TITLE  PLANNING AND DESIGN		
5. PROGRAM ELEMENT  55396F	6. CATEGORY CODE  010-211	7. PROJECT NUMBER  PAYZ001313	8. PROJECT COST (\$000)  2,304		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN		LS			2,304
SUBTOTAL					2,304
TOTAL CONTRACT COST					2,304
TOTAL REQUEST					2,304
10. Description of Proposed Construction:					
<p>11. REQUIREMENT: As required.  <u>PROJECT:</u> Planning and Design. (Current Mission)  <u>REQUIREMENT:</u> 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.  <u>IMPACT IF NOT PROVIDED:</u> Continued design on this fiscal year program, as well as future year MILCON programs, will be impossible.</p>					

**SECTION 5**

**FUTURE-YEARS DEFENSE PROGRAM**

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE COMMAND  
FY 2002 - FY 2005 FUTURE YEARS DEFENSE PROGRAM (FYDP)  
(DOLLARS IN THOUSANDS)**

<b>FY</b>	<b>State</b>	<b>Installation</b>	<b>Project</b>	<b>Type</b>	<b>Cost</b>
02	LA	Barksdale AFB	RED HORSE Vehicle Maintenance	Current Mission	2,812
02	MS	Keesler AFB	C-130J Hangar	New Mission	11,448
02	NC	Seymour-Johnson AFB	Security Forces Operations	Current Mission	<u>1,707</u>
				Total MILCON	15,967
				Unspecified MC	4,996
				Planning & Design	<u>1,021</u>
				Total FY02 Program	21,984
03	PA	Pittsburgh ARS	Combat Communications Facility	Current Mission	2,929
03	OK	Tinker AFB	Add/Alter CE Training Facility	Current Mission	<u>1,162</u>
				Total MILCON	4,091
				Unspecified MC	5,160
				Planning & Design	<u>1,483</u>
				Total FY03 Program	10,734
04	CO	Peterson AFB	Consolidated Aerial Port/Airlift Control	Current Mission	5,184
04	MD	Andrews AFB	Mobility Training/Storage	Current Mission	2,243
04	SC	Charleston AFB	Medical Training Facility Addition	Current Mission	<u>1,994</u>
				Total MILCON	9,421
				Unspecified MC	5,274
				Planning & Design	<u>1,731</u>
				Total FY04 Program	16,426
05	FL	Eglin AFB	Visiting Quarters	Current Mission	7,134
05	IL	Scott AFB	Support Group Facility	Current Mission	<u>5,647</u>
				Total MILCON	12,781
				Unspecified MC	5,390
				Planning & Design	<u>1,768</u>
				Total FY05 Program	19,939

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE COMMAND  
FUTURE YEARS DEFENSE PROGRAM (FYDP)  
(DOLLARS IN THOUSANDS)  
ADDITIONAL MILCON PROJECTS  
(Ref : US Code : Title 10 Section 10543)**

<b>FY</b>	<b>State</b>	<b>Installation</b>	<b>Project</b>	<b>Type</b>	<b>Cost</b>
01	CA	March ARB	Fire Station	Current Mission	6,200
01	MA	Westover ARB	Repair/Alter Lodging Facility	Current Mission	7,088
01	MA	Westover ARB	Security Forces Operation	Current Mission	3,194
01	MN	Minn-St Paul ARS	Consolidate Lodging Facility Phase 3	Current Mission	<u>10,600</u>
				Total MILCON	27,082
				Planning & Design	<u>2,529</u>
				Total FY02 Program	29,611
02	AL	Maxwell AFB	Aircraft Maintenance Hangar	Current Mission	9,414
02	MA	Westover ARB	Munitions Storage Complex	Current Mission	4,605
02	OK	Tinker AFB	Squadron Operations Facility	Current Mission	3,685
02	NJ	McGuire AFB	Civil Engineering Training Facility	Current Mission	<u>1,995</u>
				Total MILCON	19,699
				Planning & Design	<u>2,779</u>
				Total FY02 Program	22,478
03	CO	Peterson AFB	Fuel System Maintenance Dock	Current Mission	7,000
03	GA	Dobbins ARB	Visiting Quarters	Current Mission	6,500
03	MN	Minn-St Paul ARS	Hangar Complex	Current Mission	15,500
03	NC	Seymour-Johnson AFB	Civil Engineering Maintenance Facility	Current Mission	<u>2,363</u>
				Total MILCON	31,363
				Planning & Design	<u>2,365</u>
				Total FY03 Program	33,728
04	AL	Maxwell AFB	Fuel Cell Maintenance Hangar	Current Mission	7,250
04	CA	Travis AFB	Squadron Operations/AGS Training	Current Mission	9,322
04	FL	Eglin AFB	Aircraft Parking RAMP	Current Mission	4,250
04	MN	Minn-St Paul ARS	Aircraft Maintenance Shops	Current Mission	<u>6,110</u>
				Total MILCON	26,932
				Planning & Design	<u>1,104</u>
				Total FY04 Program	28,036
05	IN	Grissom ARB	Lodging Facility Phase 2	Current Mission	11,072
05	NY	Niagara ARS	Visiting Quarters	Current Mission	<u>13,451</u>
				Total MILCON	24,523
				Planning & Design	<u>0</u>
				Total FY05 Program	24,523

**SECTION 5  
(CONTINUED)**

**FUTURE-YEARS DEFENSE PROGRAM  
COMPARISON**

**MILITARY CONSTRUCTION  
FUTURE-YEARS DEFENSE PROGRAM (FYDP) COMPARISON  
FY 2001 PB SUBMISSION  
COMPONENT: AIR FORCE RESERVE COMMAND  
(\$ in Thousand)**

		<u>FY 2000*</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
<b><u>Appropriation: Military Construction, Air Force Reserve</u></b>							
<b><u>Budget Activity 1, Major Construction</u></b>							
AR	Little Rock AFB						
	Aerial Port Training Facility						
	FY 2001 PB (Feb 00)	800	0	0	0	0	0
	FY 2001 ABES (Sep 99)	800	0	0	0	0	0
	Change Since ABES Request	0	0	0	0	0	0
CO	Peterson AFB						
	Aerial Port/ Airlift Control Flight Facility						
	FY 2001 PB (Feb 00)	0	0	0	0	5,184	0
	FY 2001 ABES (Sep 99)	0	0	0	4,596	0	0
	Change Since ABES Request	0	0	0	-4,596	5,184	0
FL	Eglin AFB						
	Visiting Quarters						
	FY 2001 PB (Feb 00)	0	0	0	0	0	7,134
	FY 2001 ABES (Sep 99)	0	0	0	0	0	0
	Change Since ABES Request	0	0	0	0	0	7,134
FL	Homestead ARS						
	Fire Fighter Training Facility						
	FY 2001 PB (Feb 00)	2,000	0	0	0	0	0
	FY 2001 ABES (Sep 99)	2,000	0	0	0	0	0
	Change Since ABES Request	0	0	0	0	0	0
	Fire Station						
	FY 2001 PB (Feb 00)	2,950	0	0	0	0	0
	FY 2001 ABES (Sep 99)	2,950	0	0	0	0	0
	Change Since ABES Request	0	0	0	0	0	0
GA	Dobbins ARB						
	Add/Alter Facilities for C-130H Aircrew Training						
	FY 2001 PB (Feb 00)	2,130	0	0	0	0	0
	FY 2001 ABES (Sep 99)	2,130	0	0	0	0	0
	Change Since ABES Request	0	0	0	0	0	0
	C-130 Assault Strip						
	FY 2001 PB (Feb 00)	0	6,032	0	0	0	0
	FY 2001 ABES (Sep 99)	0	6,350	0	0	0	0
	Change Since ABES Request	0	-318	0	0	0	0
GA	Robins AFB						
	Add/Alter AFRC Headquarters & ATACC						
	FY 2001 PB (Feb 00)	14,000	0	0	0	0	0
	FY 2001 ABES (Sep 99)	14,000	0	0	0	0	0
	Change Since ABES Request	0	0	0	0	0	0
IL	Scott AFB						
	Support Group Facility						
	FY 2001 PB (Feb 00)	0	0	0	0	0	5,647
	FY 2001 ABES (Sep 99)	0	0	0	0	0	0
	Change Since ABES Request	0	0	0	0	0	5,647



**MILITARY CONSTRUCTION  
FUTURE-YEARS DEFENSE PROGRAM (FYDP) COMPARISON  
FY 2001 PB SUBMISSION  
COMPONENT: AIR FORCE RESERVE COMMAND  
(\$ in Thousand)**

	<u>FY 2000*</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
<b><u>Appropriation: Military Construction, Air Force Reserve</u></b>						
IN Grissom ARB						
Services Complex, Phase 1						
FY 2001 PB (Feb 00)	10,800	0	0	0	0	0
FY 2001 ABES (Sep 99)	10,800	0	0	0	0	0
Change Since ABES Request	0	0	0	0	0	0
LA Barksdale AFB						
RED HORSE Vehicle Maintenance						
FY 2001 PB (Feb 00)	0	0	2,812	0	0	0
FY 2001 ABES (Sep 99)	0	0	0	0	3,060	0
Change Since ABES Request	0	0	2,812	0	-3,060	0
MA Westover ARB						
Control Tower						
FY 2001 PB (Feb 00)	4,250	0	0	0	0	0
FY 2001 ABES (Sep 99)	4,250	0	0	0	0	0
Change Since ABES Request	0	0	0	0	0	0
MD Andrews AFB						
Warehouse/Admin						
FY 2001 PB (Feb 00)	0	0	0	0	2,243	0
FY 2001 ABES (Sep 99)	0	0	0	0	2,127	0
Change Since ABES Request	0	0	0	0	116	0
MN Minneapolis-St Paul ARS						
Consolidated Lodging, Phase 2						
FY 2001 PB (Feb 00)	8,140	0	0	0	0	0
FY 2001 ABES (Sep 99)	8,140	0	0	0	0	0
Change Since ABES Request	0	0	0	0	0	0
MS Keesler AFB						
C-130J Hangar						
FY 2001 PB (Feb 00)	0	0	11,448	0	0	0
FY 2001 ABES (Sep 99)	0	0	0	0	0	12,217
Change Since ABES Request	0	0	11,448	0	0	-12,217
NC Seymour-Johnson AFB						
Security Police Operations						
FY 2001 PB (Feb 00)	0	0	1,707	0	0	0
FY 2001 ABES (Sep 99)	0	0	0	0	0	1,504
Change Since ABES Request	0	0	1,707	0	0	-1,504
NY Niagara Falls ARS						
Lodging Facility						
FY 2001 PB (Feb 00)	6,300	0	0	0	0	0
FY 2001 ABES (Sep 99)	6,300	0	0	0	0	0
Change Since ABES Request	0	0	0	0	0	0
OH Youngstown ARS						
Aircraft Apron De-icing Pad						
FY 2001 PB (Feb 00)	3,067	0	0	0	0	0
FY 2001 ABES (Sep 99)	3,400	0	0	0	0	0
Change Since ABES Request	-333	0	0	0	0	0

**MILITARY CONSTRUCTION  
FUTURE-YEARS DEFENSE PROGRAM (FYDP) COMPARISON  
FY 2001 PB SUBMISSION  
COMPONENT: AIR FORCE RESERVE COMMAND  
(\$ in Thousand)**

	<u>FY 2000*</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
<b><u>Appropriation: Military Construction, Air Force Reserve</u></b>						
OK Tinker AFB						
ADAL CE Training Facility						
FY 2001 PB (Feb 00)	0	0	0	1,162	0	0
FY 2001 ABES (Sep 99)	0	0	0	0	0	0
Change Since ABES Request	0	0	0	1,162	0	0
PA Pittsburgh ARS						
Communications Squadron Training Facility						
FY 2001 PB (Feb 00)	0	0	0	2,929	0	0
FY 2001 ABES (Sep 99)	0	0	0	0	2,934	0
Change Since ABES Request	0	0	0	2,929	-2,934	0
PA Willow Grove ARS						
Alter Hangar & Fire Protection System						
FY 2001 PB (Feb 00)	0	2,400	0	0	0	0
FY 2001 ABES (Sep 99)	0	0	1,297	0	0	0
Change Since ABES Request	0	2,400	-1,297	0	0	0
SC Charleston AFB						
Medical Training Fac/Admin						
FY 2001 PB (Feb 00)	0	0	0	0	1,994	0
FY 2001 ABES (Sep 99)	0	0	0	0	2,075	0
Change Since ABES Request	0	0	0	0	-81	0
WA McChord AFB						
C-17 Squadron Operations/AMU						
FY 2001 PB (Feb 00)	3,300	0	0	0	0	0
FY 2001 ABES (Sep 99)	3,300	0	0	0	0	0
Change Since ABES Request	0	0	0	0	0	0
<b>Total for Budget Activity 1, Major Construction</b>						
FY 2001 PB (Feb 00)	57,737	8,432	15,967	4,091	9,421	12,781
FY 2001 ABES (Sep 99)	58,070	6,350	1,297	4,596	10,196	13,721
Change Since ABES Request	-333	2,082	14,670	-505	-775	-940
<b><u>Budget Activity 2, Minor Construction</u></b>						
Various Locations						
FY 2001 PB (Feb 00)	4,467	4,115	4,996	5,160	5,274	5,390
FY 2001 ABES (Sep 99)	4,467	4,915	4,996	5,160	5,274	5,390
Change Since ABES Request	0	-800	0	0	0	0
<b><u>Budget Activity 3, Architectural/Engineering Services &amp; Construction Design</u></b>						
Various Locations						
FY 2001 PB (Feb 00)	1,867	2,304	1,021	1,483	1,731	1,768
FY 2001 ABES (Sep 99)	1,867	1,329	1,021	1,483	1,731	1,768
Change Since ABES Request	0	975	0	0	0	0
<b>Total for Appropriation: Military Construction, Air Force Reserve</b>						
FY 2001 PB (Feb 00)	64,071	14,851	21,984	10,734	16,426	19,939
FY 2001 ABES (Sep 99)	64,404	12,594	7,314	11,239	17,201	20,879
Change Since ABES Request	-333	2,257	14,670	-505	-775	-940

\* NOTE: FY 2000 data includes Congressional inserts (Appropriations) in the FY 2001 ABES (Sep 99) line.