

**FY 1998/1999 Biennial Budget Estimates**

# **AIR FORCE RESERVE**



19970314 024

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**FY 1999  
MILITARY CONSTRUCTION  
PROGRAM  
(Volume 2)**

**February 1997**

**Justification Data Submitted to Congress**

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**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1999  
MILITARY CONSTRUCTION PROGRAM**

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

**MAJOR CONSTRUCTION**

FY 1999 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>
Alabama	Maxwell AFB			
	Consolidated Aircraft Maintenance Facility	<u>5,200</u>	<u>5,200</u>	3
	SUBTOTAL	5,200	5,200	
	TOTAL IN THE UNITED STATES	5,200	5,200	
Worldwide	Unspecified Minor Construction	4,603	4,603	
	Arch & Eng Svcs and Const Design	<u>2,532</u>	<u>2,532</u>	
	<b>GRAND TOTAL</b>	<b>12,335</b>	<b>12,335</b>	

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

**MAJOR CONSTRUCTION**

FY 1999 NEW MISSION/ENVIRONMENTAL/CURRENT MISSION LISTING

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST</u>	<u>NEW/ENVIR/ CURRENT</u>
Maxwell AFB, AL	Consolidated Aircraft Maintenance Facility	<u>5,200</u>	Current
	TOTAL	5,200	
	Subtotals:		
	New Mission	0	
	Current Mission	5,200	
	Environmental Work	0	
	Unspecified Minor Construction	4,603	
	Arch & Eng Svcs and Const Design	<u>2,532</u>	
	<b>GRAND TOTAL</b>	<b>12,335</b>	

**SECTION 1**

**SPECIAL PROGRAM CONSIDERATIONS**

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

**MAJOR CONSTRUCTION**

FY 1999 POLLUTION ABATEMENT/ENERGY CONSERVATION LISTING

No special program considerations in FY 1999.

**SECTION 2**

**BUDGET APPENDIX EXTRACT**

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

FY 1999 APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE RESERVE

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, \$12,335,000 to remain available until 30 September 2003.

Mil. Con., Air Force Reserve  
 Program and Financing (in Thousands of dollars)

Identification code	57-3730-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			
		1996 actual	1997 est.	1998 est.	1999 est.
<b>Program by activities:</b>					
Direct program:					
00.0101	Major construction	29,363	42,579	8,550	5,200
00.0201	Minor construction	4,169	4,326	4,464	4,603
00.0301	Planning	2,950	5,900	1,516	2,532
10.0001	Total	36,482	52,805	14,530	12,335
<b>Financing:</b>					
17.0001	Recovery of prior year obligations				
21.4002	Unobligated balance available, start of year:				
	For completion of prior year budget plans				
21.4009	Reprogramming from/to prior year budget plans	-332			
24.4002	Unobligated balance available, end of year:				
	For completion of prior year budget plans				
25.0001	Unobligated balance expiring	332			
40.0001	Budget authority (Appropriation)	36,482	52,805	14,530	12,335
<b>Relation of obligations to outlays:</b>					
71.0001	Obligations incurred				
72.4001	Obligated balance, start of year				
74.4001	Obligated balance, end of year				
77.0001	Adjustments in expired accounts (net)				
78.0001	Adjustments in unexpired accounts				
90.0001	Outlays (net)				

Mil. Con., Air Force Reserve  
 Program and Financing (in Thousands of dollars)

Identification code	57-3730-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
Obligations					
Program by activities:					
Direct program:					
00.0101	Major construction	46,613	28,859	19,175	7,151
00.0201	Minor construction	6,243	4,008	4,295	5,940
00.0301	Planning	3,962	4,378	2,490	3,206
10.0001	Total	56,818	37,245	25,960	16,297
Financing:					
17.0001	Recovery of prior year obligations	-128			
21.4002	Unobligated balance available, start of year:				
	For completion of prior year budget plans				
21.4009	Reprogramming from/to prior year budget plans	-33,493	-12,952	-28,512	-17,082
24.4002	Unobligated balance available, end of year:				
	For completion of prior year budget plans	12,952	28,512	17,082	13,120
25.0001	Unobligated balance expiring	332			
40.0001	Budget authority (Appropriation)	36,482	52,805	14,530	12,335
Relation of obligations to outlays:					
71.0001	Obligations incurred	56,818	37,245	25,960	16,297
72.4001	Obligated balance, start of year	61,467	57,244	49,399	33,438
74.4001	Obligated balance, end of year	-57,244	-49,399	-33,438	-20,950
77.0001	Adjustments in expired accounts (net)	296			
78.0001	Adjustments in unexpired accounts	-128			
90.0001	Outlays (net)	61,209	45,090	41,921	28,785

Mil. Con., Air Force Reserve  
Object Classification (in Thousands of dollars)

Identification code	57-3730-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
Direct obligations:					
132.001 Land and structures		56,818	37,245	25,960	16,297
199.001 Total Direct obligations		56,818	37,245	25,960	16,297
999.901 Total obligations		56,818	37,245	25,960	16,297
Obligations are distributed as follows:					
Defense-Military:Army		45,941	30,540	21,287	13,363
Defense-Military:Navy		4,357	3,725	2,596	1,630
Defense-Military:Air Force		6,520	2,980	2,077	1,304
Total Obligations		56,818	37,245	25,960	16,297

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
MILITARY CONSTRUCTION PROGRAM - FISCAL YEAR 1999**

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 90-400, 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.

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 USAFR	FY 1999 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE FEB 1997												
3. INSTALLATION AND LOCATION  MAXWELL AIR FORCE BASE, ALABAMA				4. AREA CONSTR COST INDEX 0.88													
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  1 Air Force Station 1 Air National Guard Unit 4 Army National Guard Units																	
7. PROJECTS REQUESTED IN THIS PROGRAM  <table border="1" data-bbox="235 892 1445 1029"> <thead> <tr> <th>CATEGORY CODE</th> <th>PROJECT TITLE</th> <th>SCOPE</th> <th>COST (\$000)</th> <th>DESIGN START</th> <th>DESIGN COMPLETE</th> </tr> </thead> <tbody> <tr> <td>211-152</td> <td>Consolidated Aircraft Maintenance Facility</td> <td>3,000 SM</td> <td>5,200</td> <td>8/92</td> <td>10/94</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE	211-152	Consolidated Aircraft Maintenance Facility	3,000 SM	5,200	8/92	10/94
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE												
211-152	Consolidated Aircraft Maintenance Facility	3,000 SM	5,200	8/92	10/94												
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION  Re-approved for unilateral construction				26 Jun 96 (Date)													
9. LAND ACQUISITION REQUIRED				NONE (Number of Acres)													
10. PROJECTS PLANNED IN NEXT FOUR YEARS  <table border="1" data-bbox="235 1549 1445 1644"> <thead> <tr> <th>CATEGORY CODE</th> <th>PROJECT TITLE</th> <th>SCOPE</th> <th>COST (\$000)</th> <th>YEAR</th> </tr> </thead> <tbody> <tr> <td>211-175</td> <td>Aircraft Maintenance Hangar</td> <td>3,250 SM</td> <td>8,400</td> <td>03</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	211-175	Aircraft Maintenance Hangar	3,250 SM	8,400	03		
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR													
211-175	Aircraft Maintenance Hangar	3,250 SM	8,400	03													
11. RPM BACKLOG AT THIS INSTALLATION (\$000): RPM at an Active Air Force installation is the responsibility of the host.				N/A													

1. COMPONENT USAFR	<b>FY 1999 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE FEB 1997
3. INSTALLATION AND LOCATION  MAXWELL AIR FORCE BASE, ALABAMA		
11. PERSONNEL STRENGTH AS OF 31 MAR 96		
	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>55</u> <u>1</u> <u>54</u> <u>0</u>	<u>114</u> <u>1</u> <u>113</u>
ACTUAL	<u>56</u> <u>1</u> <u>55</u> <u>0</u>	<u>99</u> <u>1</u> <u>98</u>
12. RESERVE UNIT DATA		
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>
	908th Maintenance Squadron	<u>AUTHORIZED</u> 169 <u>ACTUAL</u> 155
13. MAJOR EQUIPMENT AND AIRCRAFT		
	<u>TYPE</u>	<u>AUTHORIZED</u>
	C-130H	8
		<u>ASSIGNED</u> 8

1. COMPONENT USAFR	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 1997	
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA			4. PROJECT TITLE CONSOLIDATED AIRCRAFT MAINTENANCE FACILITY		
5. PROGRAM ELEMENT 55396F	6. CATEGORY CODE 211-152	7. PROJECT NUMBER PNQS919002	8. PROJECT COST (\$000) 5,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CONSOLIDATED AIRCRAFT MAINTENANCE FACILITY		SM	3,000	1,100	3,300
SUPPORTING FACILITIES					1,360
FLEXIBLE/RIGID PAVEMENTS		SM	8,500	28	( 240)
EARTHWORK/DEMOLITION		CM	9,500	10	( 95)
WATER SUPPLY SYSTEM		LM	2,000	95	( 190)
SANITARY SEWER SYSTEM		LM	900	83	( 75)
EXTERIOR ELECTRICAL		EA	1	445,000	( 445)
STORM DRAINAGE/GAS DISTRIBUTION		LM	1,650	109	( 180)
LANDSCAPING		LS			( 135)
SUBTOTAL					4,660
CONTINGENCY (5%)					233
TOTAL CONTRACT COST					4,893
SUPERVISION, INSPECTION AND OVERHEAD (6%)					294
TOTAL REQUEST					5,187
TOTAL REQUEST (ROUNDED)					5,200
10. Description of Proposed Construction: Construct a new facility with reinforced concrete foundation, concrete floor slab, structural steel frame, insulated walls and roof, fire protection system, utilities, and all necessary support.					
11. REQUIREMENT: 3,000 SM ADEQUATE: 0 SUBSTANDARD: 3,757 SM PROJECT: Consolidated Aircraft Maintenance Facility. (Current Mission) REQUIREMENT: An adequate facility, properly sized and configured, is required for aircraft maintenance and associated equipment maintenance and storage. This facility provides area for nondestructive inspection, engine inspection and repair, storage, and general purpose aircraft maintenance shops. CURRENT SITUATION: Currently, existing maintenance shops are housed in two separate facilities. These buildings are not properly configured or located, and have outdated mechanical, electrical, and ventilation systems. The main facility is over 55 years old and has numerous fire system deficiencies and requires frequent maintenance and repairs. Neither building can be altered or upgraded to meet mission requirements and one will be disposed of upon completion of the project. IMPACT IF NOT PROVIDED: Without this project, vital aircraft maintenance functions will continue to be degraded which would have an adverse impact on the unit's ability to maintain assigned aircraft. This would be detrimental to the Reserves ability to perform it's assigned missions at Maxwell AFB. ADDITIONAL: Cost estimate based on escalated A-E 100% Design. This new facility is sited on the opposite end of the runway away from the main base utility systems resulting in higher supporting facility costs. POC: Mr Edward Rodgers, HQ AFRES/CEPD, DSN 497-1056.					

1. COMPONENT USAFR	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 1997
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3. INSTALLATION AND LOCATION  
MAXWELL AIR FORCE BASE, ALABAMA

4. PROJECT TITLE CONSOLIDATED MAINTENANCE FACILITY	5. PROJECT NUMBER PNQS 91-9002
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12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

- a. Date Design Started ..... 04 AUG 92
- b. Parametric Cost Estimate used to develop costs.....Y
- c. Percentage Complete as of January 1, 1996 ..... 100%
- d. Date Design 35% Complete ..... 01 FEB 93
- d. Date Design Complete ..... 03 OCT 94

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.....(264)
- b. All Other Design Costs .....(233)
- c. Total .....(497)
- d. Contract.....(    )
- e. In-house.....(    )

4. CONSTRUCTION START..... APR 99 .  
(month and year)

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

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
NONE			

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1999**

**APPROPRIATION: MILITARY CONSTRUCTION, AIR FORCE RESERVE**

PROGRAM 341.020 UNSPECIFIED MILITARY CONSTRUCTION      \$4,603,000

**PART I - PURPOSE AND SCOPE**

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

1. COMPONENT USAFR		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE FEB 1997	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS				4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION			
5. PROGRAM ELEMENT 55396F		6. CATEGORY CODE 010-211	7. PROJECT NUMBER PAYZ999341		8. PROJECT COST (\$000) 4,603		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION				LS			4,603
SUBTOTAL							4,603
TOTAL CONTRACT COST							4,603
TOTAL REQUEST							4,603
10. Description of Proposed Construction:							
11. REQUIREMENT: As required. <u>PROJECT:</u> Unspecified Minor Construction <u>REQUIREMENT:</u> 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, including 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 99. <u>IMPACT IF NOT PROVIDED:</u> No means to accomplish exigent projects less than \$1,500,000 will exist, severely degrading the ability of the Air Force Reserve to efficiently and effectively address unforeseen facility modification, alteration and conversion requirements.							

**SECTION 4**

**ARCHITECTURAL AND ENGINEERING SERVICES  
AND CONSTRUCTION DESIGN**

1. COMPONENT USAFR		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE FEB 1997		
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS				4. PROJECT TITLE PLANNING AND DESIGN				
5. PROGRAM ELEMENT 55396F		6. CATEGORY CODE 010-211	7. PROJECT NUMBER PAYZ999313		8. PROJECT COST (\$000) 2,532			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN					SF	1	532,000	2,532
SUBTOTAL								2,532
TOTAL CONTRACT COST								2,532
TOTAL REQUEST								2,532
TOTAL REQUEST (ROUNDED)								2,532
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 design required for those construction projects included in the Air Force Reserve Military Construction Program. The advanced age and continued deterioration of the Air Force Reserve physical plant and infrastructure have generated numerous facility requirements requiring these architectural and engineering services for design. It is essential the Air Force Reserve 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.								