

Fiscal Year (FY) 2012 Budget Estimates

AIR FORCE RESERVE



FY 2012 MILITARY CONSTRUCTION PROGRAM

February 2011

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2012**

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

MAJOR CONSTRUCTION

FY 2012 MILITARY CONSTRUCTION PROJECTS LIST

| <u>STATE/ COUNTRY</u> | <u>INSTALLATION AND PROJECT</u> | <u>AUTHORIZATION</u> | <u>AUTH OF APPROP AMOUNT</u> | <u>APPROP AMOUNT</u> | <u>DD FORM 1391 PAGE #</u> |
|---------------------------|--|----------------------|--------------------------------------|--------------------------|------------------------------------|
| California | March AFB Airfield Control Tower/Base Ops | <u>16,393</u> | <u>16,393</u> | <u>16,393</u> | 1 |
| South Carolina | Charleston AFB TFI RED HORSE Readiness & Training Center | <u>9,593</u> | <u>9,593</u> | <u>9,593</u> | 6 |
| | SUBTOTAL | 25,986 | 25,986 | 25,986 | |
| | TOTAL IN THE UNITED STATES | 25,986 | 25,986 | 25,986 | |
| | Unspecified Minor Construction | | 5,434 | 5,434 | |
| | Planning & Design | _____ | <u>2,200</u> | <u>2,200</u> | |
| | GRAND TOTAL | 25,986 | 33,620 | 33,620 | |

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

MAJOR CONSTRUCTION

FY 2012 MILITARY CONSTRUCTION PROJECTS
NEW/CURRENT MISSION, ENVIRONMENTAL LIST

| <u>LOCATION</u> | <u>PROJECT</u> | <u>COST</u> | <u>NEW/ CURRENT</u> | <u>FOOTPRINT</u> |
|-----------------|--|---------------|-------------------------|------------------|
| California | March AFB Airfield Control Tower/Base Ops | <u>16,393</u> | Current | New |
| South Carolina | Charleston AFB TFI RED HORSE Readiness & Training Center | <u>9,593</u> | New | New |

TOTAL **25,986**

SUBTOTALS:

| | |
|--------------------------------|--------------|
| New Mission | 9,593 |
| Current Mission | 16,393 |
| Environmental | 0 |
| Unspecified Minor Construction | 5,434 |
| Planning & Design | <u>2,200</u> |

FY 2012 APPROPRIATIONS TOTAL: **33,620**

SECTION 1
SPECIAL PROGRAM CONSIDERATIONS

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

MAJOR CONSTRUCTION

FY 2012 POLLUTION ABATEMENT/ENERGY CONSERVATION LISTING

No special program considerations in FY 2012.

SECTION 2

BUDGET APPENDIX EXTRACT

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

FY 2012 APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the reserve components of the Air Force Reserve as currently authorized by law, \$33,620,000 to remain available until September 30, 2016.

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

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/Current Mission, Environmental List," 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 AIR FORCE RESERVE | FY 2012 GUARD AND RESERVE MILITARY CONSTRUCTION | | | | 2. DATE FEB 2011 | | | | | | | | | | | | |
|--|--|----------|-----------------|--------------------------------------|-------------------------|------------------|---------------|-------|-----------------|-----------------|--------------------|---------|---------------------------------|----------|--------|----------|----------|
| 3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, CALIFORNIA | | | | 4. AREA CONSTR COST INDEX 1.10 | | | | | | | | | | | | | |
| 5. FREQUENCY AND TYPE UTILIZATION One unit training assembly per month, 15 days annual field training per year, daily use by technician/AGR force and tenant aviation units. | | | | | | | | | | | | | | | | | |
| 6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None | | | | | | | | | | | | | | | | | |
| 7. PROJECTS REQUESTED IN THIS PROGRAM <table border="1"> <thead> <tr> <th data-bbox="191 829 332 884">CATEGORY CODE</th> <th data-bbox="354 856 673 884">PROJECT TITLE</th> <th data-bbox="846 856 954 884">SCOPE</th> <th data-bbox="1036 829 1117 884">COST (\$000)</th> <th data-bbox="1166 829 1268 884">DESIGN START</th> <th data-bbox="1328 829 1458 884">DESIGN COMPLETE</th> </tr> </thead> <tbody> <tr> <td data-bbox="207 884 316 911">149-962</td> <td data-bbox="358 884 787 911">Airfield Control Tower/Base Ops</td> <td data-bbox="846 884 971 911">1,475 SM</td> <td data-bbox="1036 884 1122 911">16,393</td> <td data-bbox="1154 884 1279 911">Nov 2010</td> <td data-bbox="1328 884 1446 911">Sep 2011</td> </tr> </tbody> </table> | | | | | | CATEGORY CODE | PROJECT TITLE | SCOPE | COST (\$000) | DESIGN START | DESIGN COMPLETE | 149-962 | Airfield Control Tower/Base Ops | 1,475 SM | 16,393 | Nov 2010 | Sep 2011 |
| CATEGORY CODE | PROJECT TITLE | SCOPE | COST (\$000) | DESIGN START | DESIGN COMPLETE | | | | | | | | | | | | |
| 149-962 | Airfield Control Tower/Base Ops | 1,475 SM | 16,393 | Nov 2010 | Sep 2011 | | | | | | | | | | | | |
| 8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for Unilateral Construction, 31 March 2009 | | | | | | | | | | | | | | | | | |
| 9. LAND ACQUISITION REQUIRED | | | | <i>(Number of Acres)</i> | | | | | | | | | | | | | |
| 10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1"> <thead> <tr> <th data-bbox="191 1459 332 1514">CATEGORY CODE</th> <th data-bbox="548 1486 738 1514">PROJECT TITLE</th> <th data-bbox="1003 1486 1096 1514">SCOPE</th> <th data-bbox="1230 1459 1307 1514">COST (\$000)</th> <th data-bbox="1393 1486 1469 1514">YEAR</th> </tr> </thead> <tbody> <tr> <td colspan="5" data-bbox="602 1514 683 1541">None</td> </tr> </tbody> </table> | | | | | | CATEGORY CODE | PROJECT TITLE | SCOPE | COST (\$000) | YEAR | None | | | | | | |
| CATEGORY CODE | PROJECT TITLE | SCOPE | COST (\$000) | YEAR | | | | | | | | | | | | | |
| None | | | | | | | | | | | | | | | | | |
| RPM BACKLOG AT THIS INSTALLATION (\$000): \$31,616 | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|--|--|----------------|-----------------|-----------------|-------------------------|----------------|-----------------|
| 1. COMPONENT AIR FORCE RESERVE | FY 2012 GUARD AND RESERVE MILITARY CONSTRUCTION | | | | 2. DATE FEB 2011 | | |
| 3. INSTALLATION AND LOCATION | | | | | | | |
| MARCH AIR RESERVE BASE, CALIFORNIA | | | | | | | |
| 11. PERSONNEL STRENGTH AS OF AUG 2010 | | | | | | | |
| | PERMANENT (ARTs, AGRs, Non-ART Civilians) | | | | GUARD/RESERVE | | |
| | <u>TOTAL</u> | <u>OFFICER</u> | <u>ENLISTED</u> | <u>CIVILIAN</u> | <u>TOTAL</u> | <u>OFFICER</u> | <u>ENLISTED</u> |
| AUTHORIZED | 1,048 | 96 | 643 | 309 | 2,046 | 366 | 1,680 |
| ACTUAL | 971 | 99 | 643 | 229 | 2,586 | 404 | 2,182 |
| 12. RESERVE UNIT DATA | | | | | | | |
| | <u>UNIT DESIGNATION</u> | | | | STRENGTH | | |
| | | | | | <u>AUTHORIZED</u> | | <u>ACTUAL</u> |
| | 4 th Air Force | | | | 171 | | 210 |
| | 452 Air Mobility Wing | | | | 88 | | 136 |
| | 452 Operation Group | | | | 42 | | 41 |
| | 729 Airlift Squadron | | | | 139 | | 151 |
| | 336 Air Refueling Squadron | | | | 73 | | 75 |
| | 452 Operations Support Squadron | | | | 124 | | 134 |
| | 452 Aeromedical Evacuation Squadron | | | | 142 | | 166 |
| | 452 Airlift Control Flight | | | | 38 | | 33 |
| | 452 Maintenance Group | | | | 31 | | 36 |
| | 452 Maintenance Operations Squadron | | | | 61 | | 62 |
| | 452 Maintenance Squadron | | | | 280 | | 331 |
| | 452 Aircraft Maintenance Squadron | | | | 192 | | 224 |
| | 752 Aircraft Maintenance Squadron | | | | 161 | | 188 |
| | 452 Mission Support Group | | | | 11 | | 22 |
| | 452 Mission Support Squadron | | | | 58 | | 92 |
| | 452 Communications Squadron | | | | 47 | | 77 |
| | 452 Logistics Readiness Squadron | | | | 189 | | 158 |
| | 452 Civil Engineering Squadron | | | | 231 | | 261 |
| | 452 Security Forces Squadron | | | | 205 | | 237 |
| | 50 Aerial Port Squadron | | | | 183 | | 191 |
| | 56 Aerial Port Squadron | | | | 183 | | 185 |
| | 452 Medical Group | | | | 6 | | 7 |
| | 452 Medical Squadron | | | | 112 | | 155 |
| | 452 Services Squadron | | | | 70 | | 71 |
| | 452 Aeromedical Squadron | | | | 121 | | 155 |
| | 452 Aerospace Staging Squadron | | | | 136 | | 159 |
| | | | | Total | 3,094 | | 3,557 |
| 13. MAJOR EQUIPMENT AND AIRCRAFT | | | | | | | |
| | <u>TYPE</u> | | | | <u>AUTHORIZED</u> | | <u>ASSIGNED</u> |
| | C-17 | | | | 8 | | 8 |
| | KC-135 | | | | 12 | | 12 |
| 14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: | | | | | | | |
| None | | | | | | | |

| | | | | | | |
|---|--|---|--|------------------|--|--|
| 1. COMPONENT AIR FORCE RESERVE | | FY 2012 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE FEB 2011 | |
| 3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, CALIFORNIA | | | 4. PROJECT TITLE AIRFIELD CONTROL TOWER / BASE OPS | | | |
| 5. PROGRAM ELEMENT 52576F | | 6. CATEGORY CODE 149-962 | 7. PROJECT NUMBER PDPG 02-0143 | | 8. PROJECT COST (\$000) \$16,393 | |
| 9. COST ESTIMATE | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| PRIMARY FACILITY | | | | | 12,790 | |
| CONTROL TOWER (149-962) | | VF | 155 | 46,000 | (7,130) | |
| BASE OPERATIONS FACILITY (141-453) | | SM | 1,475 | 3,667 | (5,409) | |
| SDD&EPAAct05 | | | | | (251) | |
| SUPPORTING FACILITIES | | | | | 1,980 | |
| UTILITIES & PAVEMENTS | | LS | | | (430) | |
| SITE IMPROVEMENTS | | LS | | | (250) | |
| COMMUNICATIONS | | LS | | | (300) | |
| ENVIRONMENTAL SAMPLING AND ANALYSIS | | LS | | | (50) | |
| DEMOLITION BUILDING 1220, 1223 & 1224 | | LS | | | (710) | |
| ASBESTOS & LEAD BASE PAINT ABATEMENT | | SM | 1,657 | 220 | (240) | |
| SUBTOTAL | | | | | 14,770 | |
| CONTINGENCY (5.0%) | | | | | 738 | |
| TOTAL CONTRACT COST | | | | | 15,509 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 884 | |
| TOTAL REQUEST | | | | | 16,393 | |
| EQUIPMENT FROM OTHER APPROPRIATIONS | | | | | 2,215 | |
| 10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct a new Air Traffic Control Tower. The tower will be an eight (8) floor high, steel and concrete structure and control cab with a total height of 155 feet. Support structures include control cab, mechanical and electrical with backup power generator, electronic equipment rooms, elevator and communications support. Construct associated Base Operations Facility. Structure is to include mechanical and electrical, electronic equipment rooms, fire suppression, and communications support. This facility will be a single story masonry structure. Facility to demolish contains asbestos and lead based paint. Facility will be designed and constructed in accordance with current AT/FP standards. This completed project shall be able to receive a United States Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED) rating of Silver. Air Conditioning: 40 Tons (Base Ops 25TN & Tower 15TN) | | | | | | |
| 11. REQUIREMENT: 1,213 SM ADEQUATE: 0 SM SUBSTANDARD: 1,193 SM PROJECT: Air Traffic Control Tower & Base Operations Facility (Current Mission) <u>REQUIREMENT:</u> An adequate control tower is required to support over 60,000 take offs and landings annually. Full visibility of traffic patterns and airfield space is required to enable air traffic controllers to ensure flight and ground safety of aircraft and vehicles on the airfield. During this construction project adjacent Building 1220 needs to be abated and demolished to facilitate construction of New Base Operations Facility. Reference AFH 32-1084 the "Design Guide for Base Operations Facility". This facility is to accommodate Base Operations, Weather and Crew Communications in support of the base mission. The facility must be centrally located near the flight line and parking apron. AFH 32-1084 the "Design Guide for Air Traffic Control Towers" by HQ AFCEE/DGA will be consulted for additional criteria. <u>CURRENT SITUATION:</u> The existing facility houses both the Control Tower and Base Operations, was built in 1958, has far exceeded its life cycle, and does not meet current seismic, fire, Anti-Terrorism (AT/FP) and American Disabilities Act (ADA) requirements. The tower location does not allow complete visibility of the overhead pattern and overcrowded cab conditions degrade controller mobility and efficiency. Visibility of the approach end is limited, creating a significant safety hazard as controllers cannot see vehicles or aircraft operating in that area. Maintenance costs continue to increase and can't support current electronic communications technology. | | | | | | |

| | | |
|--------------------------------------|--|---------------------|
| 1. COMPONENT AIR FORCE RESERVE | FY 2012 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE FEB 2011 |
|--------------------------------------|--|---------------------|

| | |
|--|---|
| 3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, CALIFORNIA | 4. PROJECT TITLE AIRFIELD CONTROL TOWER / BASE OPS |
|--|---|

| | | | |
|------------------------------|-----------------------------|-----------------------------------|-------------------------------------|
| 5. PROGRAM ELEMENT 52576F | 6. CATEGORY CODE 149-962 | 7. PROJECT NUMBER PDPG 02-0143 | 8. PROJECT COST (\$000) \$16,393 |
|------------------------------|-----------------------------|-----------------------------------|-------------------------------------|

IMPACT IF NOT PROVIDED. Continued risk of catastrophic aircraft accidents and associated loss of Air Force assets including airframes and aircrew. Overcrowded cab conditions will continue to impact air traffic controllers' mobility and efficiency. Flight safety, as well as airfield ground safety will remain significantly impaired due to the limited visibility on the approach and of the runway and complete lack of visibility at certain parts of the traffic pattern. If the project remains status quo the morale and units efficiency will continue to decline, negatively impacting the mission. Maintenance costs will continue to increase. Further, the facility will continue to be unable to support current or future electronic communications technology.

ADDITIONAL: POC: Mr. Mike Klug, HQ AFRC/A7PP, DSN 497-1108. Comprehensive Interior Design shall be provided in the design service. Funding from other appropriations includes \$1,815K for furnishings and \$400K for communications equipment.

JOINT USE CERTIFICATION: This facility serves a joint use airfield, but is a host installation facility project and is programmed for full funding by the Air Force Reserves.

| 1. COMPONENT AIR FORCE RESERVE | FY 2012 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE FEB 2011 | | | | | | | | | | | | | | | | |
|--|---|--|----------------------------------|-----------------------------------|--|------------------------|-------------------|------|---------|-------|--------------------------|------|---------|----|--------------------------|------|---------|-----|
| 3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, CALIFORNIA | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE AIRFIELD CONTROL TOWER / BASE OPS | 5. PROJECT NUMBER PDPG 02-0143 | | | | | | | | | | | | | | | | | |
| <p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. DESIGN DATA (Estimated)</p> <p>1. STATUS</p> <p>a. Date Design Started: Nov 2010</p> <p>b. Parametric estimates have been used to develop project cost.</p> <p>c. Percentage Complete as of January 1, 2011 2%</p> <p>d. Date Design 35% Complete Mar 2011</p> <p>e. Date Design Complete - (If design-build, construction complete) Sep 2011</p> <p>2. BASIS</p> <p>a. Standard or Definitive Design - Yes ___ No <u>X</u> .</p> <p>b. Where Design Was Most Recently Used <u>N/A</u> .</p> <p>3. COST (Total) = c = a + b or d + e (\$000)</p> <p>a. Production of Plans and Specifications (35% design) (___)</p> <p>b. All Other Design Costs (Design-build) (___)</p> <p>c. Total (1,431)</p> <p>d. Contract (A-E) (1,102)</p> <p>e. In-house (management) (329)</p> <p>4. CONSTRUCTION AWARD DATE Feb 2012</p> <p>5. CONSTRUCTION START DATE Mar 2012</p> <p>6. CONSTRUCTION COMPLETION DATE Sep 2013</p> <p>B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:</p> <table border="0" data-bbox="191 1688 1401 1906"> <thead> <tr> <th>Equipment <u>Nomenclature</u></th> <th>Procuring <u>Appropriation</u></th> <th>Fiscal Year Appropriated <u>Or Requested</u></th> <th>Cost <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Systems Furniture</td> <td>3740</td> <td>FY 2013</td> <td>1,815</td> </tr> <tr> <td>Interior Design Services</td> <td>3740</td> <td>FY 2013</td> <td>59</td> </tr> <tr> <td>Communications Equipment</td> <td>3740</td> <td>FY 2013</td> <td>400</td> </tr> </tbody> </table> | | | Equipment <u>Nomenclature</u> | Procuring <u>Appropriation</u> | Fiscal Year Appropriated <u>Or Requested</u> | Cost <u>(\$000)</u> | Systems Furniture | 3740 | FY 2013 | 1,815 | Interior Design Services | 3740 | FY 2013 | 59 | Communications Equipment | 3740 | FY 2013 | 400 |
| Equipment <u>Nomenclature</u> | Procuring <u>Appropriation</u> | Fiscal Year Appropriated <u>Or Requested</u> | Cost <u>(\$000)</u> | | | | | | | | | | | | | | | |
| Systems Furniture | 3740 | FY 2013 | 1,815 | | | | | | | | | | | | | | | |
| Interior Design Services | 3740 | FY 2013 | 59 | | | | | | | | | | | | | | | |
| Communications Equipment | 3740 | FY 2013 | 400 | | | | | | | | | | | | | | | |

| 1. COMPONENT AIR FORCE RESERVE | FY 2012 GUARD AND RESERVE MILITARY CONSTRUCTION | | | | 2. DATE FEB 2011 | | | | | | | | | | | | |
|---|--|--------------|-------------------------|--------------------------------------|----------------------------|--------------------------|----------------------|--------------|-------------------------|-------------------------|----------------------------|---------|---|----------|-------|----------|----------|
| 3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA | | | | 4. AREA CONSTR COST INDEX 0.91 | | | | | | | | | | | | | |
| 5. FREQUENCY AND TYPE UTILIZATION One unit training assembly per month, 15 days annual field training per year, daily use by technician/AGR force. | | | | | | | | | | | | | | | | | |
| 6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None | | | | | | | | | | | | | | | | | |
| 7. PROJECTS REQUESTED IN THIS PROGRAM <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST (\$000)</u></th> <th style="text-align: left;"><u>DESIGN START</u></th> <th style="text-align: left;"><u>DESIGN COMPLETE</u></th> </tr> </thead> <tbody> <tr> <td>149-962</td> <td>RED HORSE Readiness and Training Facility</td> <td>3,083 SM</td> <td>9,593</td> <td>Nov 2010</td> <td>Sep 2011</td> </tr> </tbody> </table> | | | | | | <u>CATEGORY CODE</u> | <u>PROJECT TITLE</u> | <u>SCOPE</u> | <u>COST (\$000)</u> | <u>DESIGN START</u> | <u>DESIGN COMPLETE</u> | 149-962 | RED HORSE Readiness and Training Facility | 3,083 SM | 9,593 | Nov 2010 | Sep 2011 |
| <u>CATEGORY CODE</u> | <u>PROJECT TITLE</u> | <u>SCOPE</u> | <u>COST (\$000)</u> | <u>DESIGN START</u> | <u>DESIGN COMPLETE</u> | | | | | | | | | | | | |
| 149-962 | RED HORSE Readiness and Training Facility | 3,083 SM | 9,593 | Nov 2010 | Sep 2011 | | | | | | | | | | | | |
| 8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for Unilateral Construction, 5 August 2009 | | | | | | | | | | | | | | | | | |
| 9. LAND ACQUISITION REQUIRED | | | | | <i>(Number of Acres)</i> | | | | | | | | | | | | |
| 10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST (\$000)</u></th> <th style="text-align: left;"><u>YEAR</u></th> </tr> </thead> <tbody> <tr> <td></td> <td>None</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | <u>CATEGORY CODE</u> | <u>PROJECT TITLE</u> | <u>SCOPE</u> | <u>COST (\$000)</u> | <u>YEAR</u> | | None | | | | | |
| <u>CATEGORY CODE</u> | <u>PROJECT TITLE</u> | <u>SCOPE</u> | <u>COST (\$000)</u> | <u>YEAR</u> | | | | | | | | | | | | | |
| | None | | | | | | | | | | | | | | | | |
| RPM BACKLOG AT THIS INSTALLATION (\$000): \$940 | | | | | | | | | | | | | | | | | |

| | | |
|---|--|-------------------------------------|
| 1. COMPONENT AIR FORCE RESERVE | FY 2012 GUARD AND RESERVE MILITARY CONSTRUCTION | 2. DATE FEB 2011 |
| 3. INSTALLATION AND LOCATION | | |
| CHARLESTON AIR FORCE BASE, SOUTH CAROLINA | | |
| 11. PERSONNEL STRENGTH AS OF AUG 2010 | | |
| | PERMANENT (ARTs, AGRs, Non-ART Civilians) | GUARD/RESERVE |
| | TOTAL OFFICER ENLISTED CIVILIAN | TOTAL OFFICER ENLISTED |
| AUTHORIZED | 278 40 204 34 | 1,610 251 1,359 |
| ACTUAL | 273 41 205 27 | 2,190 327 1,863 |
| 12. RESERVE UNIT DATA | | |
| UNIT DESIGNATION | STRENGTH | |
| | AUTHORIZED | ACTUAL |
| 315 Airlift Wing | 56 | 59 |
| 315 Operation Group | 31 | 31 |
| 315 Operations Support Squadron | 32 | 36 |
| 300 Airlift Squadron | 83 | 110 |
| 317 Airlift Squadron | 96 | 123 |
| 701 Airlift Squadron | 95 | 119 |
| 315 Airlift Control Flight | 33 | 35 |
| 315 Aeromedical Evacuation Squadron | 100 | 139 |
| 315 Maintenance Group | 22 | 23 |
| 315 Maintenance Operations Flight | 10 | 19 |
| 315 Aircraft Maintenance Squadron | 357 | 451 |
| 315 Maintenance Squadron | 156 | 215 |
| 315 Mission Support Group | 8 | 13 |
| 315 Mission Support Squadron | 33 | 80 |
| 315 Logistics Readiness Flight | 34 | 55 |
| 315 Security Forces Squadron | 57 | 75 |
| 315 Services Flight | 21 | 34 |
| 315 Civil Engineering Squadron | 43 | 53 |
| 560 RED HORSE Squadron | 209 | 259 |
| 315 Aeromedical Squadron | 92 | 139 |
| 38 Aerial Port Squadron | 160 | 199 |
| 81 Aerial Port Squadron | 160 | 196 |
| Total | 1,888 | 2,463 |
| 13. MAJOR EQUIPMENT AND AIRCRAFT | | |
| TYPE | AUTHORIZED | ASSIGNED |
| None – Associate Unit | | |
| 14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: | | |
| None | | |

| | | | | | |
|---|--|---|---|--------------------------------|---------------------|
| 1. COMPONENT AIR FORCE RESERVE | | FY 2012 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE FEB 2011 | |
| 3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA | | | 4. PROJECT TITLE RED HORSE READINESS AND TRAINING FACILITY | | |
| 5. PROGRAM ELEMENT 52576F | 6. CATEGORY CODE 171-443 | 7. PROJECT NUMBER DKFX079003 | 8. PROJECT COST (\$000) 9,593 | | |
| 9. COST ESTIMATE | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| RED HORSE READINESS AND TRAINING FACILITY | | SM | 3,083 | 2,208 | 6,807 |
| SDD & EPAAct05 | | LS | | | 136 |
| SUPPORTING FACILITIES | | | | | 1,335 |
| UTILITIES | | LS | | | (380) |
| PAVEMENTS | | LS | | | (263) |
| COMMUNICATIONS | | LS | | | (300) |
| TEMPORARY FACILITIES | | LS | | | (225) |
| SITE IMPROVEMENTS | | LS | | | (200) |
| SUBTOTAL | | | | | 8,311 |
| CONTINGENCY (5%) | | | | | 416 |
| TOTAL CONTRACT COST | | | | | 8,727 |
| DESIGN BUILD COST (4%) | | | | | 349 |
| SUBTOTAL | | | | | 9,076 |
| SUPERVISION, INSPECTION, AND OVERHEAD (5.7%) | | | | | 517 |
| TOTAL REQUEST | | | | | 9,593 |
| EQUIPMENT FROM OTHER APPROPRIATIONS | | | | | 420 |
| <p>10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct 3,083 SM facility with structural steel framing, reinforced concrete foundations, load bearing masonry walls, non-load bearing metal stud and gypsum board interior walls. Project includes brick masonry exterior walls and standing seam metal roof in accordance with architectural compatibility standards, fire sprinkler system, communications/data systems, and fire detection/alarm systems. Also includes roads, parking areas, and site improvements. Project will be designed and constructed in accordance with current AT/FP standards and be able to receive a United States Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED) rating of Silver. Air Conditioning: 25 Tons</p> | | | | | |
| <p>11. REQUIREMENT: 3,083 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM <u>PROJECT:</u> Construct AFRC RED HORSE Storage and Readiness Training Facility (New Mission) <u>REQUIREMENT:</u> CSAF directed Total Force Integration (TFI) action placed an AFRC RED HORSE Squadron at Charleston AFB which requires an operations and training facility with classrooms, administrative space, mobility equipment storage, skills training labs, and Computer Based Training. Facility will provide centralized access to all required training equipment and be collocated with Active Duty Civil Engineering Squadron in order to maximize cooperative training opportunities. <u>CURRENT SITUATION:</u> No facilities currently exist for the new RED HORSE squadron. Facilities are required in order to successfully bed down the unit. <u>IMPACT IF NOT PROVIDED:</u> The lack of adequate facilities negatively impacts the squadron's ability to fully augment the active force under activation conditions. Lack of facility space will require use of expensive and inefficient temporary buildings or leave equipment exposed to the elements. <u>ADDITIONAL:</u> POC: Mr. Mike Klug, HQ AFRC/A7PP, DSN 497-1108. New work: 3,083 SM = 33,186 SF. This project is a candidate for Comprehensive Interior Design. Equipment from other appropriations: \$420K for equipment and furnishings. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802 (c), and other applicable laws and Executive Orders. <u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force Reserve requirements.</p> | | | | | |

| | | |
|--------------------------------------|--|-------------------------|
| 1. COMPONENT AIR FORCE RESERVE | FY 2012 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE FEB 2011 |
|--------------------------------------|--|-------------------------|

3. INSTALLATION AND LOCATION
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA

| | |
|---|---------------------------------------|
| 4. PROJECT TITLE RED HORSE READINESS AND TRAINING FACILITY | 5. PROJECT NUMBER DKFX 07-9003 |
|---|---------------------------------------|

12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

- a. Date Design Started: Nov 2010
- b. Parametric estimates have been used to develop project cost.
- c. Percentage Complete as of January 1, 2011 2%
- d. Date Design 35% Complete Mar 2011
- e. Date Design Complete - (If design-build, construction complete) Sep 2011

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) (___)
- b. All Other Design Costs (Design-build) (___)
- c. Total (900)
- d. Contract (A-E) (693)
- e. In-house (management) (207)

4. CONSTRUCTION AWARD DATE Feb 2012

5. CONSTRUCTION START DATE Mar 2012

6. CONSTRUCTION COMPLETION DATE Sep 2013

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> |
|-----------------------------------|------------------------------------|--|-------------------------|
| Systems Furniture | 3740 | FY 2013 | 320 |
| Interior Design Services | 3740 | FY 2013 | 36 |
| Communications Equipment | 3740 | FY 2013 | 100 |

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2012**

APPROPRIATION: MILITARY CONSTRUCTION, AIR FORCE RESERVE
PROGRAM 341.020 UNSPECIFIED MINOR CONSTRUCTION \$5,434,000

PART I - PURPOSE AND SCOPE

The funds requested for unspecified minor construction will finance new construction projects having cost estimates less than or equal to \$2,000,000.

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 AIR FORCE RESERVE | | FY 2012 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE FEB 2011 | |
| 3. INSTALLATION AND LOCATION VARIOUS LOCATIONS | | | 4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION | | | |
| 5. PROGRAM ELEMENT 52576F | | 6. CATEGORY CODE 010-211 | 7. PROJECT NUMBER PAYZ 120341 | | 8. PROJECT COST (\$000) 5,434 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| UNSPECIFIED MINOR CONSTRUCTION | | | LS | - | - | 5,434 |
| SUBTOTAL | | | | | | 5,434 |
| TOTAL CONTRACT COST | | | | | | 5,434 |
| TOTAL REQUEST | | | | | | 5,434 |
| 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 or equal to \$2,000,000. 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 FY12. | | | | | | |
| <u>IMPACT IF NOT PROVIDED</u> : No means to accomplish exigent projects costing up to \$2,000,000 will exist, severely degrading the ability of the Air Force Reserve to efficiently and effectively address unforeseen facility modifications, alteration and conversion requirements. | | | | | | |

SECTION 4
PLANNING AND DESIGN

| | | | | | | | |
|---|--|---|---|--|---|------------------|---------------------|
| 1. COMPONENT AIR FORCE RESERVE | | FY 2012 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE FEB 2011 | | |
| 3. INSTALLATION AND LOCATION VARIOUS LOCATIONS | | | | 4. PROJECT TITLE PLANNING AND DESIGN | | | |
| 5. PROGRAM ELEMENT 52576F | | 6. CATEGORY CODE 010-211 | 7. PROJECT NUMBER PAYZ 120313 | | 8. PROJECT COST (\$000) 2,200 | | |
| 9. COST ESTIMATES | | | | | | | |
| ITEM | | | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| PLANNING AND DESIGN | | | | LS | - | - | 2,200 |
| SUBTOTAL | | | | | | | 2,200 |
| TOTAL CONTRACT COST | | | | | | | 2,200 |
| TOTAL REQUEST | | | | | | | 2,200 |
| 10. Description of Proposed Construction: | | | | | | | |
| <p>11. REQUIREMENT: As required.</p> <p>PROJECT: Planning and Design.</p> <p>REQUIREMENT: Funds for study, planning, design and architectural and engineering services 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 (AFR) Military Construction (MILCON) Program. The advanced age and continued deterioration of the AFR physical plant and infrastructure have generated numerous facility requirements, requiring these architectural and engineering services for design. In addition, there are numerous new mission beddown projects that received no previous planning and design funds. It is essential the AFR be funded at the requested level to ensure operational readiness is not hampered or degraded due to inadequate facilities.</p> <p>IMPACT IF NOT PROVIDED: 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
MILITARY CONSTRUCTION PROGRAM
FUTURE YEARS MILITARY CONSTRUCTION PROGRAM (\$000)**

| FY | State | Base | Project | Type | Footprint | PA | |
|-----------|--------------|-------------------|---|-----------------|------------------|---------------------|---------|
| 13 | GA | Robins AFB | AFRC HQ Complex Infrastructure | Current Mission | New | 8,400 | |
| 13 | MN | Minneapolis ARS | Aerial Port Squadron Facility | Current Mission | New | 9,800 | |
| 13 | OH | Youngstown ARS | Indoor Small Arms Range | Current Mission | New | 9,400 | |
| | | | | | | | |
| | | | | | | Total Projects | 27,600 |
| | | | | | | Planning and Design | 4,211 |
| | | | | | | Unspecified MC | 2,029 |
| | | | | | | Total FY13 Program | 33,840 |
| | | | | | | | |
| 14 | GA | Robins AFB | AFRC HQ Complex Facility #1 | Current Mission | New | 34,300 | |
| 14 | AZ | Davis Monthan AFB | Guardian Angel Facility | Current Mission | New | 16,300 | |
| 14 | FL | Homestead ARB | Entry Control Complex | Current Mission | New | 9,800 | |
| 14 | MO | Whiteman AFB | LRS Facility Addition | Current Mission | New | 2,300 | |
| | | | | | | | |
| | | | | | | Total Projects | 62,700 |
| | | | | | | Planning and Design | 5,031 |
| | | | | | | Unspecified MC | 2,719 |
| | | | | | | Total FY14 Program | 70,450 |
| | | | | | | | |
| 15 | GA | Robins AFB | AFRC HQ Complex Facility #2 | Current Mission | New | 36,600 | |
| | | | | | | | |
| | | | | | | Total Projects | 36,600 |
| | | | | | | Planning and Design | 2,500 |
| | | | | | | Unspecified MC | 1,906 |
| | | | | | | Total FY15 Program | 41,006 |
| | | | | | | | |
| 16 | GA | Robins AFB | AFRC HQ Complex Facility #3 | Current Mission | New | 36,600 | |
| 16 | GA | Robins AFB | AFRC HQ Complex Facility #4 | Current Mission | New | 28,700 | |
| 16 | GA | Dobbins ARB | Fire Station and Security Forces Complex | Current Mission | New | 14,500 | |
| 16 | NY | Niagara Falls ARS | C-130 Flightline Operations Facility, Phase 2 | Current Mission | New | 9,500 | |
| 16 | AL | Maxwell ARB | Aerial Port Squadron Facility | Current Mission | New | 5,800 | |
| 16 | PA | Pittsburgh ARS | Wing Headquarters | Current Mission | New | 10,900 | |
| | | | | | | | |
| | | | | | | Total Projects | 106,000 |
| | | | | | | Planning and Design | 5,822 |
| | | | | | | Unspecified MC | 5,820 |
| | | | | | | Total FY16 Program | 117,642 |