Fiscal Year (FY) 2003
BUDGET ESTIMATE
AIR NATIONAL GUARD

MILITARY CONSTRUCTION

APPROPRIATION 3830

Justification Data Submitted to Congress

February 2002

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2003

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SUMMARY PROJECT LIST
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM - FY 2003

STATE	INSTALLATION AND PROJECT	AUTH/APPN AMOUNT ($000)	PAGE NO.
Iowa	**Sioux Gateway Airport**		
	KC-135 Upgrade Aircraft Maintenance Hangar & Shops	6,900	1-3
	KC-135 Upgrade Shops and Operations Facility	4,800	4-6
	Sub-Total Iowa	**11,700**	
Mississippi	**Jackson International Airport**		
	C-17 Fuel Cell Hangar and Shop Upgrade	25,000	7-9
	C-17 Construct Maintenance Training Facility	4,100	10-12
	Sub-Total Mississippi	**29,100**	
	SUB-TOTAL -- ALL BASES	**40,800**	
	PLANNING AND DESIGN	**8,273**	13-14
	UNSPECIFIED MINOR CONSTRUCTION	**4,400**	15-16
	SUB-TOTAL -- SUPPORT COSTS	**12,673**	
	GRAND TOTAL	**53,473**	

NEW MISSION/CURRENT MISSION EXHIBIT
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 2003

LOCATION	PROJECT	COST ($000)	CURRENT/ NEW/ENV
Sioux Gateway Airport, IA	KC-135 Upgrade Aircraft Maintenance Hangar & Shops	6,900	N
	KC-135 Upgrade Shops and Operations Facility	4,800	N
Jackson IAP, MS	C-17 Fuel Cell Hangar and Shop Upgrade	25,000	N
	C-17 Construct Maintenance Training Facility	4,100	N
	PLANNING AND DESIGN	**8,273**	
	UNSPECIFIED MINOR CONSTRUCTION	**4,400**	
	TOTAL ENVIRONMENTAL	**0**	
	TOTAL NEW MISSION (4)	**40,800**	
	TOTAL CURRENT MISSION	**0**	
	GRAND TOTAL - FY 2003 REQUEST	**53,473**	

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2003

SECTION I

APPROPRIATIONS LANGUAGE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard, and contributions therefore, as authorized by Chapter 1803 of Title 10, United States Code, and Military Construction Authorizations Acts, $53,473,000 to remain available until September 30, 2007.

SPECIAL PROGRAM CONSIDERATIONS

Environmental Compliance

The environmental compliance projects proposed in this program are necessary to correct current environmental noncompliance situations and to prevent future noncompliance.

Flood Plain Management and Wetland Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned in accordance with the requirements of Executive Orders 11988, Flood Plain Management, and 11900, Protection of Wetlands. Projects have been sited to avoid long and short-term adverse impacts, reduce the risk of flood losses, and minimize the loss, or degradation of wetlands.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, 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 included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391s.

Environmental Protection

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

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

SPECIAL PROGRAM CONSIDERATIONS
(continued)

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 those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

Potential Use of Vacant Schools and Other State and 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.

Construction Criteria Manual

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

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2003

SECTION II

PROJECT JUSTIFICATION DATA

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SIOUX GATEWAY AIRPORT, IOWA	KC-135 UPGRADE AIRCRAFT MAINTENANCE HANGAR AND SHOPS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
51411F	211-111	VSSB009167	$6,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
KC-135 UPGRADE ACFT MAINT HANGAR AND SHOPS	SM	7,525		5,664
ADD TO MAINTENANCE HANGAR AREA	SM	1,208	2,099	(2,536)
ALTER GENERAL PURPOSE SHOPS AREA	SM	6,317	482	(3,045)
ANTITERRORISM/FORCE PROTECTION	SM	7,525	11	(83)
SUPPORTING FACILITIES				571
UTILITIES	LS			(159)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS			(53)
COMMUNICATION SUPPORT	LS			(53)
FIRE PROTECTION SUPPORT	LS			(106)
SUBTOTAL				6,235
CONTINGENCY (5%)				312
TOTAL CONTRACT COST				6,547
SUPERVISION, INSPECTION AND OVERHEAD (6%)				393
TOTAL REQUEST				6,940
TOTAL REQUEST (ROUNDED)				6,900

10. Description of Proposed Construction: Hangar Addition: Remove existing hangar doors and front of the hangar. Extend the hangar to fully enclose the aircraft. Install a new larger door system. Extend the fire suppression systems and utilities to the new section of the hangar. Interior hangar and shop alteration: Rearrange and extend interior walls, utilities, fire protection and suppression systems. Replace floor drainage systems; replace the hangar floor slab to match the new apron. Upgrade the heating ventilation and air-conditioning systems of the shops. Relocate and install hoists; roofing and install mezzanines. Relocate doors and windows.
Air Conditioning: 88 KW.

11. REQUIREMENT: 7,525 SM ADEQUATE: 0 SM SUBSTANDARD: 6,317 SM
PROJECT: KC-135 Upgrade Aircraft Maintenance Hangar and Shops (New Mission).
REQUIREMENT: This project supports the conversion of one squadron of F-16 aircraft to KC-135. The KC-135 aircraft are expected to arrive on base in 2003. The base requires a properly sized and configured hangar to train and to perform phase maintenance and others larger maintenance tasks. The hangar must be large enough to totally enclose the aircraft. The base also requires properly sized and configured maintenance shops adjacent to the hangar bay area.
CURRENT SITUATION: The base has only one maintenance hangar and it is sized for fighter type aircraft. The hangar door opening is not large enough to allow the much larger KC-135 aircraft to be fully enclosed. Only the nose of the aircraft up to the wings can be enclosed. The hangar ceiling is also not high enough to allow the aircraft tail to be fully enclosed. This project will construct an addition to the hangar bay with a higher ceiling and extend the utilities, the floor drains and the fire suppression. The existing shops require significant rearranging. For example, the egress and canopy shops are no longer needed. The NDI shop, which is now grossly undersized, will be expanded. A larger wheel and tire shop is required. A new shop for the boom maintenance is required. The special equipment shop must also be reconfigured to accommodate the KC-135 requirements. The sheet metal shop must be expanded to accommodate the additional machinery and the need for additional space between equipment. The hangar floor system has an under floor hot water heating system. This system is old

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

3. INSTALLATION AND LOCATION	
SIOUX GATEWAY AIRPORT, IOWA	
5. PROJECT TITLE	7. PROJECT NUMBER
KC-135 UPGRADE AIRCRAFT MAINTENANCE HANGAR AND SHOPS	VSSB009167

and cannot be extended to the new area. This project installs an overhead infrared heating system. The hangar bay and hangar door floor drain systems must be totally redone and extended in the new bay area. The building has a number of window air conditioning units. These are not energy efficient. These window units will be replaced with a central air system.

IMPACT IF NOT PROVIDED: Unable to fully enclose the KC-135 aircraft and complete the phased maintenance safely and on schedule. The existing shop configuration will result in unsafe working conditions for the KC-135 aircraft. The areas and shops no longer required for the F-16 will remain vacant and unusable. Severe adverse impact on the unit's training. Unable to reach full operational capability. The aircraft will have to be flown to and be maintained at another location which would be a very costly work around.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. These facilities are an "inhabited" building and meet the standoff distance requirements. There is no threat and the level of protection is low so minimum construction standards have been applied. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction and alterations were found to be cost efficient over the life of the project.

ADD TO MAINTENANCE HANGAR AREA	1,208 SM = 13,002 SF
ALTER GENERAL PURPOSE SHOPS AREA	6,317 SM = 67,996 SF
ANTITERRORISM/FORCE PROTECTION MINIMUM	7,525 SM = 80,998 SF

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

3. INSTALLATION AND LOCATION

SIOUX GATEWAY AIRPORT, IOWA

5. PROJECT TITLE	7. PROJECT NUMBER
KC-135 UPGRADE AIRCRAFT MAINTENANCE HANGAR AND SHOPS	VSSB009167

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	MAY 2001
(b) Parametric Cost Estimates used to develop costs	NO
(c) Percent Complete as of Jan 2002	35%
(d) Date 35% Designed	JAN 2002
(e) Date Design Complete	JAN 2002
(f) Type of Design Contract	TRADITIONAL
(g) Energy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	620
(b) All Other Design Costs	0
(c) Total	620
(d) Contract	620
(e) In-House	
(4) Contract Award (Month/Year)	MAY 2003
(5) Construction Start	JUN 2003
(6) Construction Completion	JUN 2004

b. Equipment associated with this project will be provided from other appropriations: N/A

POINT OF CONTACT: MR. STEVEN ROSNER
(301) 836-8186

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SIOUX GATEWAY AIRPORT, IOWA	KC-135 UPGRADE SHOPS AND OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
51411F	211-152	VSSB009169	$4,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
KC 135 UPGRADE SHOPS AND OPERATIONS FACILITY	SM	6,298		3,986
ADD TO SQUADRON OPERATIONS FACILITY AREA	SM	223	1,585	(353)
ALTER SQUADRON OPERATIONS FACILITY	SM	1,579	668	(1,055)
CONVERT FUEL CELL TO AGE	SM	1,579	398	(628)
AT/FP MINIMUM PHYSICAL SECURITY SUPPORT	SM	6,298	11	(69)
MOD SHPS AVNICS/SURV EQ/ENGINE/LIFE SUPT	SM	2,917	645	(1,881)
SUPORTING FACILITIES	LS			340
PAVEMENTS	LS			(110)
UTILITIES	LS			(50)
COMMUNICATION SUPPORT	LS			(80)
SITE IMPROVEMENTS	LS			(30)
TEMPORARY FACILITY	LS			(70)
SUBTOTAL				4,326
CONTINGENCY (5%)				216
TOTAL CONTRACT COST				4,542
SUPERVISION, INSPECTION AND OVERHEAD (6%)				273
TOTAL REQUEST				4,815
TOTAL REQUEST (ROUNDED)				4,800
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(365)

10. Description of Proposed Construction: Addition: Reinforced concrete foundation and floor slab, reinforced concrete walls and roof structure. Exterior architectural style to match existing building. Alteration and upgrade: Relocate and extend walls and utilities systems. Install and relocate hoists. Relocate doors and windows. Upgrade utility system to match new interior wall reconfiguration. Reconfigure exterior utilities, pavements and site improvements. Facility to support pre-wired workstation installation.
Air Conditioning: 53 KW.

11. REQUIREMENT: 6,298 SM ADEQUATE: 0 SM SUBSTANDARD: 1,579 SM
PROJECT: KC-135 Upgrade Shops and Operations Facility (New Mission).
REQUIREMENT: This project supports the conversion of one squadron of F-16 aircraft to KC-135. The KC-135 aircraft are expected to arrive on base in 2003. An adequately sized and properly configured squadron operations facility is required for aircrew members, flight planning and management, operations office, contingency operations, combat crew navigators, boom operators, and training. Shop/functional areas include general purpose shops, avionics, aircraft support equipment, engine, life support and survival equipment.
CURRENT SITUATION: The squadron operations' building is configured to support F-16 aircraft. It is also undersized. It does not have a vault and classified information cannot be stored in the building. It is not configured for the KC-135 mission which is much different than the F-16 mission. The building requires interior reconfiguration since some rooms are too small while others are too large to meet the needs of the new functions. Provisions for classified briefings are not adequate. Mission planning, intelligence and communications training operations would have to be performed in a facility so cramped that personnel must climb over gear and desks to leave the room. Crew briefing areas are so small that multiple briefings will be necessary to brief all crews. Multiple briefings create a larger margin of error during missions. Gear and computers being received cannot be used effectively due to

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	February 2002

3. INSTALLATION AND LOCATION	
SIOUX GATEWAY AIRPORT, IOWA	
5. PROJECT TITLE	7. PROJECT NUMBER
KC-135 UPGRADE SHOPS AND OPERATIONS FACILITY	VSSB009169

lack of space. There is no room for boom operators which is unique to the KC-135 aircraft. Building 254 is a 2,688 SM facility housing the F-16 avionics, weapon release and the electronic counter measures (ECM) shops. The weapon release and the ECM shops are not required for the KC-135 aircraft, while the avionics shop is drastically reduced. This project reconfigures the vacated areas. The F-16 avionics shop is 1,264 SM; the KC-135 aircraft requires only 502 SM. The existing engine shop will be reconfigured to accommodate KC-135 engines. The survival equipment shop and the life support shop are now separated and in different buildings. These will be combined and also located in the area vacated by the weapon release shop. Additional support functions will occupy the other portion of the vacated space. Temporary facilities are needed to accommodate a portion of the squadron operation function which must vacate the building during the interior renovation of the area.
IMPACT IF NOT PROVIDED: The mission cannot be accomplished without violating the security of classified plans. The aircraft cannot be maintained. The training of the Air National Guard is impacted due to inadequate facilities. Training will be degraded. Training days will be lost. A possible safety mishap may occur. Aircraft may not be ready to fly on time and the mission will be impacted.
ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. These facilities are an "inhabited" building and meet the standoff distance requirements. There is no threat and the level of protection is low so minimum construction standards have been applied. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction and alterations were found to be cost efficient over the life of the project.

ADD TO SQUADRON OPERATIONS FACILITY AREA	223 SM = 2,400 SF
ALTER SQUADRON OPERATIONS FACILITY	1,579 SM = 16,996 SF
CONVERT FUEL CELL TO AGE	1,579 SM = 16,996 SF
AT/FP MINIMUM PHYSICAL SECURITY SUPPORT	6,298 SM = 67,791 SF
MOD SHPS AVNICS/SURV EQ/ENGINE/LIFE SUPT	2,917 SM = 31,398 SF

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

3. INSTALLATION AND LOCATION

SIOUX GATEWAY AIRPORT, IOWA

5. PROJECT TITLE	7. PROJECT NUMBER
KC-135 UPGRADE SHOPS AND OPERATIONS FACILITY	VSSB009169

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	JUN 2001
(b) Parametric Cost Estimates used to develop costs	NO
(c) Percent Complete as of Jan 2002	35%
(d) Date 35% Designed	JAN 2002
(e) Date Design Complete	AUG 2002
(f) Type of Design Contract	TRADITIONAL
(g) Energy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	430
(b) All Other Design Costs	0
(c) Total	430
(d) Contract	430
(e) In-House	
(4) Contract Award (Month/Year)	MAY 2003
(5) Construction Start	JUN 2003
(6) Construction Completion	JUN 2004

b. Equipment associated with this project will be provided from other appropriations: YES

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FY APPROPRIATED OR REQUESTED	COST ($000)
Prewired Workstations	3840	2003	365

POINT OF CONTACT: MR. STEVEN ROSNER
(301) 836-8186

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JACKSON INTERNATIONAL AIRPORT, MISSISSIPPI	C-17 FUEL CELL HANGAR AND SHOP UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
54121F	211-179	LRXQ969516	$25,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FUEL HANGAR CELL AND SHOP UPGRADE	SM	10,758		17,647
FUEL CELL HANGAR AREA	SM	4,078	1,722	(7,022)
ALTER ASE/AVIONICS/ECM SHOP AREAS	SM	1,375	646	(888)
ALTER SUPPLY, ENGINE AND ASE STORAGE AREA	SM	4,348	484	(2,104)
ALTER NDI AND GENERAL PURPOSE SHOPS AREA	SM	957	538	(515)
AT/FP MINIMUM PHYSICAL SECURITY STANDARDS	SM	10,758	11	(118)
ARTICULATED WORK STANDS	LS			(7,000)
SUPPORTING FACILITIES				5,013
CONSTRUCT RAMP AND ACCESS TAXIWAY	SM	6,689	129	(863)
UTILITIES, DRAINAGE AND FIRE PROTECTION	LS			(2,900)
COMMUNICATIONS AND SITE IMPROVEMENTS	LS			(500)
PILE FOUNDATION	LS			(750)
SUBTOTAL				22,660
CONTINGENCY (5%)				1,133
TOTAL CONTRACT COST				23,793
SUPERVISION, INSPECTION AND OVERHEAD (6%)				1,428
TOTAL REQUEST				25,221
TOTAL REQUEST (ROUNDED)				25,000

10. Description of Proposed Construction: Concrete foundation supported with piles, structural steel-framed walls with masonry wainscot. Structural steel-frame, standing seam metal roof. Fume sensing system and alarm, mechanical ventilation, wash down trenches, motorized hangar door, and explosion proof fixtures. Interior walls, utilities and communication system. Heating, ventilation and air-conditioning systems. Fire detection and suppression system. Access ramp and taxiway pavement to fuel cell hangar. Upgrade and extend drainage system. Upgrade electrical distribution system. Reconfigure, upgrade and extend interior walls, utilities and fire detection systems. Install articulated work stands.
Air Conditioning: 175 KW.

11. REQUIREMENT: 10,758 SM ADEQUATE: 0 SM SUBSTANDARD: 6,680 SM
PROJECT: C-17 Fuel Cell Hangar and Shop Upgrade (New Mission).
REQUIREMENT: The base is converting from C-141 to C-17 aircraft. The C-17 aircraft are scheduled to arrive in fiscal year 2004 and require a properly sized and configured fuel cell dock for the maintenance of the C-17 fuel system and bladders. The base also requires properly sized and configured areas for aerospace support equipment (ASE), forward supply storage, avionics, electronic counter measures (ECM), non-destructive inspection (NDI), and engine shop. These areas require space for administration, technical orders, classrooms, secure storage, training and latrines. The base requires a properly configured corrosion control hangar with articulated work stands.
CURRENT SITUATION: The base has an insufficiently sized fuel cell dock, configured for the C-141. The dock has no over wing fire suppression. The door pocket is configured for the C-141 tail out configuration. The opening in the hangar door is not sized correctly for the C-17 tail. The hangar floor drainage is not properly sloped and does not have the proper aircraft tie downs. Aircraft tie downs are required to physically secure the aircraft when the tail will be outside and subject to wind forces. The facility does not have the proper breathing and ventilation equipment as required by technical order (T.O.), and Occupational Safety and Health Agency (OSHA). The C-17 has a larger aerospace support

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002
3. INSTALLATION AND LOCATION JACKSON INTERNATIONAL AIRPORT, MISSISSIPPI		
5. PROJECT TITLE C-17 FUEL CELL HANGAR AND SHOP UPGRADE		7. PROJECT NUMBER LRXQ969516

equipment (ASE) requirement. The ASE is in a poorly configured area that is less than 50 percent of their authorized space. There is not enough storage, nor is there adequate shop space. Equipment maintenance and repairs must be performed outside. There is insufficient classroom space available for this function, requiring them to schedule on a space available basis in other facilities. This causes disruptions and delays in a training schedule that has very little flexibility in it given the limited time available on drill weekends. There is insufficient storage space in the base supply building to accommodate the aircraft parts and mobility items and the contractor's storage. There is no forward supply storage available near the aircraft maintenance. The C-17 requires less avionics and engine shop areas. Consequently the avionics and engine shop functions have more space than they need to support the C-17 mission. The NDI function does not have enough space to satisfy T.O. and OSHA equipment spacing requirements. Lighting is poor throughout the area. ASHRAE ventilation requirements are not met. The welding shop space is poorly configured and insufficient to satisfy NFPA required safe zones. The engine shop has too much shop and not enough storage space to meet C-17 mission requirements. This project reconfigures the space so that it is properly distributed and corrects mechanical and electrical and fire system deficiencies. This project also installs articulated work stands in the corrosion control facility. The need for hydraulically operated articulated work stands was validated as a critical facility need after the submission of the FY2001 MILCON project, Corrosion Control /Maintenance Hangar. The articulated work stands are required to safely perform corrosion control on the vertical and horizontal stabilizers and the high tail. The base has very poor soil conditions and drainage. Consequently this project requires construction of foundation supported by piles. Project will also upgrade the drainage system and underground utilities.

IMPACT IF NOT PROVIDED: Unable to properly beddown the C-17 at this base. Full mission capability with the C-17 aircraft cannot be reached. Adequate fuel cell work and aircraft maintenance and training on the C-17 aircraft cannot be performed in accordance with the T.O. Training of the aircraft maintenance personnel cannot be completed, resulting in poor aircraft maintenance, danger to maintenance personnel and potentially dangerous flying conditions. Higher operating costs involved in sending the aircraft and aircrews to other C-17 Air Force bases (Charleston, SC; Altus, OK; or McChord, WA) for required maintenance.

ADDITIONAL: This project meets the criteria/scope specified in the AF Handbook 32-1084, "Facility Requirement" and is in compliance with the base master plan. Timing of this project in FY 03 is critical to insure the current C-141 squadron can remain operational while the facilities are prepared to accept the C-17 in FY 04. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the cost efficient over the life of the project. These facilities are an "inhabited" building and meet the standoff distance requirements. There is no threat and the level of protection is low so minimum construction standards have been applied.

FUEL CELL HANGAR AREA	4,078 SM = 43,895 SF
ALTER ASE/AVIONICS/ECM SHOP AREAS	1,375 SM = 14,800 SF
ALTER SUPPLY, ENGINE AND ASE STORAGE AREA	4,348 SM = 46,801 SF
ALTER NDI AND GENERAL PURPOSE SHOPS AREA	957 SM = 10,301 SF
AT/FP MINIMUM PHYSICAL SECURITY STANDARDS	10,758 SM = 115,798 SF

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

3. INSTALLATION AND LOCATION

JACKSON INTERNATIONAL AIRPORT, MISSISSIPPI

5. PROJECT TITLE	7. PROJECT NUMBER
C-17 FUEL CELL HANGAR AND SHOP UPGRADE	LRXQ969516

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	MAY 2001
(b) Parametric Cost Estimates used to develop costs	NO
(c) Percent Complete as of Jan 2002	35%
(d) Date 35% Designed	JAN 2002
(e) Date Design Complete	SEP 2002
(f) Type of Design Contract	TRADITIONAL
(g) Energy Study/Life-Cycle analysis was/will be performed	N0

(2) Basis:

(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	2,250
(b) All Other Design Costs	0
(c) Total	2,250
(d) Contract	2,250
(e) In-House	

(4) Contract Award (Month/Year)	MAY 2003
(5) Construction Start	JUN 2003
(6) Construction Completion	NOV 2004

b. Equipment associated with this project will be provided from other appropriations: N/A

POINT OF CONTACT: MAJ CRAIG BRADFORD
(301) 836-8083

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
JACKSON INTERNATIONAL AIRPORT, MISSISSIPPI	C-17 CONSTRUCT MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
54121F	171-618	LRXQ009065	$4,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
C-17 MAINTENANCE SYSTEM TRAINING FACILITY	SM	1,505		2,508
C-17 MAINTENANCE SYSTEM TRAINING FACILITY	SM	1,505	1,572	(2,366)
AT/FP PHYSICAL SECURITY MINIMUM STANDARDS	SM	1,505	11	(17)
ACCESS ROADS	LS			(125)
SUPPORTING FACILITIES				1,160
PILE FOUNDATION	LS			(275)
UTILITIES	LS			(300)
PAVEMENTS	LS			(195)
SITE IMPROVEMENTS	LS			(265)
COMMUNICATIONS SUPPORT	LS			(125)
SUBTOTAL				3,668
CONTINGENCY (5%)				183
TOTAL CONTRACT COST				3,851
SUPERVISION, INSPECTION AND OVERHEAD (6%)				231
TOTAL REQUEST				4,082
TOTAL REQUEST (ROUNDED)				4,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(15,030)

10. Description of Proposed Construction: Reinforced concrete foundation on pile and floor slab. Masonry exterior walls with brick veneer and standing seam metal roof. Electrical, mechanical, fire detection/suppression systems, prewiring to support systems furniture, and to accommodate required communications and data services. Necessary utility support and exterior site improvements to include drainage, vehicle parking, expanded access roads, and landscaping.
Air Conditioning: 88 KW.

11. REQUIREMENT: 1,505 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM
PROJECT: C-17 Maintenance Training Facility (New Mission).
REQUIREMENT: An adequate area is required to house the C-17 Maintenance System Training devices. This facility will house three large-scale mock-ups, tools, and classrooms to provide specialized hands-on instruction for C-17 maintenance tasks. The classrooms and training devices must be collocated in a single facility for efficiency and proper training. The first C-17 aircraft is scheduled for arrival in May 2004. This maintenance training facility should be fully operational in July 2003 (approximately nine months prior to the arrival of the first C-17 aircraft) in order to begin training maintenance personnel and crews. The Special Program Office plans on equipment delivery in June 2003. Two months are needed for the installation of the equipment in the facility. Assuming a construction start in December 2002 and a 16-month construction schedule, the facility will be completed in the spring 2004 making it approximately 12 months late to need.
CURRENT SITUATION: Between FY 2000 and FY 2001 Congress has appropriated $14.5 million for the purchase of C-17 maintenance training devices. The base does not have a facility that can be modified to accommodate or store the full-scale aircraft training devices and mock-ups associated with the C-17s maintenance activities. These maintenance training devices are vital to maintenance of this new aircraft and compliance with its associated warranties.
IMPACT IF NOT PROVIDED: This project is approximately 12 months late to need. The aircraft maintenance personnel cannot receive training needed to maintain required proficiency. Personnel will

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

3. INSTALLATION AND LOCATION	
JACKSON INTERNATIONAL AIRPORT, MISSISSIPPI	
5. PROJECT TITLE	7. PROJECT NUMBER
C-17 CONSTRUCT MAINTENANCE TRAINING FACILITY	LRXQ009065

have to accomplish training at Altus or Charleston Air Force Base, increasing operational costs and creating severe training scheduling problems. Personnel on weekend drill status will have a difficult time training at distant locations. Alternately, an operational C-17 would have to be taken off-line for training purposes. That would result in the loss of one operational aircraft from the fleet. Additionally, until a facility is constructed, the devices will have to be stored in leased facilities at a cost of $40K per year. The base has no storage capability.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. These facilities are an "inhabited" building and meet the standoff distance requirements. There is no threat and the level of protection is low so minimum construction standards have been applied. All known alternatives options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.

MAINTENANCE SYSTEM TRAINING FACILITY	1,505 SM = 16,200 SF
AT/FP PHYSICAL SECURITY MINIMUM STANDARDS	1,505 SM = 16,200 SF

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

3. INSTALLATION AND LOCATION

JACKSON INTERNATIONAL AIRPORT, MISSISSIPPI

5. PROJECT TITLE	7. PROJECT NUMBER
C-17 CONSTRUCT MAINTENANCE TRAINING FACILITY	LRXQ009065

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	JAN 2000
(b) Parametric Cost Estimates used to develop costs	N0
(c) Percent Complete as of Jan 2002	35%
(d) Date 35% Designed	JAN 2002
(e) Date Design Complete	JUN 2002
(f) Type of Design Contract	TRADITIONAL
(g) Energy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	370
(b) All Other Design Costs	0
(c) Total	370
(d) Contract	370
(e) In-House	
(4) Contract Award (Month/Year)	NOV 2002
(5) Construction Start	DEC 2002
(6) Construction Completion	JUN 2003

b. Equipment associated with this project will be provided from other appropriations: YES

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FY APPROPRIATED OR REQUESTED	COST ($000)
C-17 Maintenance Training Device	3080	2001	15,000
Prewired Workstations	3840	2001	30

POINT OF CONTACT: MAJ CRAIG BRADFORD
(301) 836-8083

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2003

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 313: PLANNING AND DESIGN $8,273,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for project planning and design of the construction requirements for the Air National Guard

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Planning and Design will provide for establishing project construction design of the facilities and for fully evaluating each designed project in terms of technical adequacy and estimated costs.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
55296F	999-999	AAAA030001	$8,273

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PLANNING AND DESIGN (P-313)	LS			8,273
SUBTOTAL				8,273
TOTAL CONTRACT COST				8,273
TOTAL REQUEST				8,273

10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.

11. REQUIREMENT: As Required

PROJECT: Planning and Design

REQUIREMENT: The ANG needs planning and design funds for projects that are to be included in future MILCON programs. The FY 2003 design funds are needed to complete the design for those projects that are to be included in the FY 2004 MILCON program and to begin the design for those projects to be included in the FY 2005 program. Funds also provide for design of the FY 2003 unspecified minor construction program.

CURRENT SITUATION: The ANG requires the design money in FY 2003 to ensure the design milestones for the FY 2004 and FY 2005 MILCON Programs, as mandated by Department of Defense (DOD) Instruction 1225.8, are met.

IMPACT IF NOT PROVIDED: The ANG will not be able to effectively administer future year MILCON programs. Insufficient design funds will translate into late design completion, later construction starts, higher construction costs, and the inability to meet DOD and Congressionally mandated execution rates.

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2003

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 341: UNSPECIFIED MINOR CONSTRUCTION $4,400,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for new construction and alteration projects having cost estimates over $750,000 but not exceeding $1,500,000, which are not otherwise authorized by law.

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Unspecified Minor Construction will finance projects for which the urgency is such that they could not be included in the regular Military Construction Program for the Air National Guard, and such that they exceed the minor construction authorization limit in the Operation and Maintenance Appropriation.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
ANG		February 2002

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST($000)
55296F	999-999	AAAA030002	$4,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
UNSPECIFIED MINOR CONSTRUCTION (P-341)	LS			4,400
SUBTOTAL				4,400
TOTAL CONTRACT COST				4,400
TOTAL REQUEST				4,400

10. Description of Proposed Construction: Provides funding for unspecified minor construction projects not otherwise authorized by law and having a funded cost between $750,000 and $1,500,000. Projects include construction, alteration, or conversion of permanent or temporary facilities. The Secretary of the Air Force has the authority to approve projects of this nature under the provisions of 10 U. S. Code 18233a and 10 U. S. Code 2805.

11. REQUIREMENT: As Required

PROJECT: Unspecified Minor Construction Program

REQUIREMENT: This program provides the means of accomplishing urgent, unforeseen projects costing over $750,000, but not exceeding $1,500,000. The project requirements are anticipated to arise during late FY 2002 or FY 2003, and would be needed to satisfy critical, urgent mission beddowns and weapon system conversions, or to meet serious and urgent health, safety, and environmental requirements. The late identification of these requirements prevents their inclusion in the FY 2003 MILCON program and the projects cannot wait for the FY 2004 program. The requested funds are not a percent of the budget, but are based on historical trends. Routine and non-urgent projects are not funded from this account.

CURRENT SITUATION: As in the recent past, it is expected that the Air Force will continue to transfer missions and force structure into the ANG. These aircraft conversions and beddowns generate facility requirements that are often late-to-need using normal MILCON programming avenues. The urgency of the required projects is driven by the arrival of new aircraft and equipment, or the need to eliminate immediate health, safety or environmental requirements.

IMPACT IF NOT PROVIDED: Unable to adequately support mission conversions and beddowns. More expensive workarounds will have to be used. Formal reprogramming is the only other option available, however, funds may not be available for these reprogrammings.

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2003

SECTION III

INSTALLATION DATA

1. COMPONENT ANG	FY 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE February 2002
3. INSTALLATION AND LOCATION SIOUX GATEWAY AIRPORT, IOWA		4. AREA CONSTR COST INDEX 1.06

5. FREQUENCY AND TYPE OF UTILIZATION

Twenty four monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.

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

One Army National Guard facility, one Naval Reserve facility and one Army Reserve facility.

7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2003

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS CMPL
211-111	KC-135 Upgrade Aircraft Maintenance Hangar and Shops	7,525 SM (80,999 SF)	6,900	May 01	Jan 02
211-152	KC-135 Upgrade Shops and Operations Facility	6,298 SM (67,800 SF)	4,800	Jun 01	Aug 02

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Facilities identified in item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommendations are: Unilateral Construction Approved 16 Nov 00 (Date)

9. LAND ACQUISITION REQUIRED None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)
730-142	KC 135 Add To and Alter Fire Station	1,672 SM (18,000 SF)	2,500
	Deferred SRM: $2,147,000		

1. COMPONENT ANG	FY 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE February 2002

3. INSTALLATION AND LOCATION

SIOUX GATEWAY AIRPORT, IOWA

11. PERSONNEL STRENGTH AS OF 14 Jun 01

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	335	29	306	0	979	91	888
ACTUAL	289	29	260	0	956	96	860

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
174 Fighter Squadron	37	42
185 Aircraft Generation Squadron	175	161
185 Civil Engineering Squadron	93	86
185 Communications Squadron	45	47
185 Fighter Wing	60	60
185 Logistics Group	20	19
185 Logistics Squadron	111	114
185 Logistics Support Group	34	27
185 Medical Squadron	60	54
185 Maintenance Squadron	197	174
185 Mission Support Flight	30	33
185 Operations Group	3	3
185 Operations Support Flight	22	24
185 Security Forces Squadron	58	73
185 Support Group	5	4
185 Services Flight	29	35
TOTALS	979	956

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-16 Aircraft	15	18
KC-135 Aircraft	8	
Number of Vehicles	91	95
Support Equipment	97	116
Vehicle Equivalents	324	324

14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2003

CATEGORY CODE	PROJECT TITLE	SCOPE	CST $(000)	DESIGN STATUS START	CMPL

NONE

1. COMPONENT ANG	FY 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE February 2002
3. INSTALLATION AND LOCATION JACKSON INTERNATIONAL AIRPORT, MISSISSIPPI		4. AREA CONSTR COST INDEX .87

5. FREQUENCY AND TYPE OF UTILIZATION

Four unit training assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.

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

Five Army National Guard Armories, one United States Army Facility, one Naval Reserve Facility, and one Armed Forces Induction Center.

7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2003

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)	DESIGN STATUS START	DESIGN STATUS CMPL
211-179	C-17 Fuel Cell Hangar and Shop Upgrade	10,758 SM (115,798 SF)	25,000	May 01	Sep 02
171-618	C-17 Construct Maintenance Training Facility	1,505 SM (16,200 SF)	4,100	Jan 00	Jun 02

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Facilities identified in item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommendations are: Unilateral Construction Approved 28 Nov 00 (Date)

9. LAND ACQUISITION REQUIRED None (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $(000)

Deferred SRM: $4,712,000

1. COMPONENT ANG	FY 2003 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE February 2002

3. INSTALLATION AND LOCATION

JACKSON INTERNATIONAL AIRPORT, MISSISSIPPI

11. PERSONNEL STRENGTH AS OF 14 Jun 01

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	298	26	272	0	1,146	150	996
ACTUAL	299	25	274	0	1,153	145	1,008

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
127 Operations Group	7	7
172 Aircraft Generation Squadron	80	80
172 Aerial Port Flight	64	69
172 Airlift Wing	58	61
172 Civil Engineering Squadron	105	97
172 Communication Flight	47	55
172 Logistics Group	9	10
172 Logistics Squadron	120	120
172 Logistics Support Flight	18	18
172 Medical Squadron	57	60
172 Maintenance Squadron	230	195
172 Mission Support Flight	30	33
172 Operations Support Flight	20	12
172 Security Forces Squadron	58	79
172 Support Group	5	6
172 Services Flight	29	32
183 Airlift Evacuation Squadron	95	99
183 Airlift Squadron	114	120
TOTALS	1,146	1,153

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
C-141C Aircraft	8	9
C-17 Aircraft	6	
Support Equipment	155	141
Vehicle Equivalents	319	329

14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2003

CATEGORY CODE	PROJECT TITLE	SCOPE	CST $(000)	DESIGN STATUS START	DESIGN STATUS CMPL

NONE

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2003

SECTION IV

FUTURE YEARS DEFENSE PLAN (FYDP)

FISCAL YEAR LISTING

Comp	FY	Appn	Installation	Location	Project Title	Facility Category	Program Element	Budget Amount $000	Change from FY01 PB $000	Explanation of Changes	Footprint
ANG	2004	3830	Fort Smith	AR	Operations and Training Facility	171-445	55296F	6,000		New	Existing
ANG	2004	3830	Camp Shelby	MS	C-17 Assault Runway	116-116	54121F	8,546	(454)	Title Change. Minor cost reduction to fit TOA	New
ANG	2004	3830	Key Field	MS	Upgrade Comm Complex	171-447	55393F	6,800	6,800	New	Existing
ANG	2004	3830	Charlotte	NC	Replace Vehicle Maintenance Complex	214-425	55296F	7,200	7,200	New	Existing
ANG	2004	3830	McGuire AFB	NJ	Replace Base CE Complex	219-944	55296F	7,000	7,000	New	Existing
ANG	2004	3830	Fort Indiantown	PA	Replace Composite Support Complex	171-445	55296F	14,200	14,200	New	Existing
ANG	2004	3830	Various	--	Planning and Design	--	55296F	4,030	(197)		
ANG	2004	3830	Various	--	Unspecified Minor Construction	--	55296F	5,500	1,100		
						FY 2004 Total:		59,276			
ANG	2005	3830	Capital	IL	Composite Support Facility Complex	722-351	55296F	10,000	10,000	New	Existing
ANG	2005	3830	Duluth	MN	Replace Aircraft Hangar and Shops	211-152	55296F	15,565	15,565	New. Minor cost reduction to fit TOA	Existing
ANG	2005	3830	Rickenbacker	OH	Replace Fire Station	130-142	55296F	6,000	6,000	New	Existing
ANG	2005	3830	Mansfield	OH	Replace Vehicle Maintenance	214-725	55296F	3,500	3,500	New	Existing
ANG	2005	3830	Nashville	TN	Composite A/C Maint Complex (Phase II)	211-152	55296F	11,000	11,000	New	Existing
ANG	2005	3830	Various	--	Planning and Design	--	55296F	4,120	(811)		
ANG	2005	3830	Various	--	Unspecified Minor Construction	--	55296F	5,500	1,003		
						FY 2005 Total:		55,685			
ANG	2006	3830	Eielson AFB	AK	Replace Security Forces Operations Facility *	131-111	55296F	5,399	(3,201)	Moved from FY 05. Scope Change	Existing
ANG	2006	3830	Tucson	AZ	Composite Support Complex	171-450	55296F	5,800	5,800	New	Existing
ANG	2006	3830	March ARB	CA	Replace Aircraft Maintenance Hangar and Shops	211-111	55296F	19,000	19,000	New	Existing
ANG	2006	3830	Sepulveda	CA	Replace Communications and Electronics Training Facility	171-447	55296F	7,000	7,000	New	Existing
ANG	2006	3830	Channel Island	CA	Upgrade C-130 Aircraft Parking Ramp	113-321	55296F	12,200	12,200	New	Existing
ANG	2006	3830	New Castle	DE	Replace C-130 Parking Apron and Taxiway	113-321	55296F	9,900	9,900	New	Existing
ANG	2006	3830	Savannah	GA	Replace CRTC Operations and Training Complex	171-445	55296F	13,800	13,800	Moved from FY 02	Existing
ANG	2006	3830	Des Moines	IA	Upgrade Joint ANG/FAA Airfield Facilities *	113-321	55296F	7,400	7,400	New	Existing
ANG	2006	3830	Forbes	KS	Replace Operations and Training Facility	141-753	55296F	13,400	13,400	New	Existing
ANG	2006	3830	Selfridge	MI	Replace Joint Dining Facility (w/AFRC)	722-351	55296F	8,500	8,500	New	Existing
ANG	2006	3830	Duluth	MN	Replace Joint ANG/FAA Fire Station	130-142	55296F	5,250	5,250	New	New
ANG	2006	3830	Pease	NH	Replace Joint ANG/FAA Fire Station	130-142	55296F	4,450	4,450	New	Existing
ANG	2006	3830	Reno	NV	Replace Communications and Security Forces	730-835	55296F	8,400	8,400	New	New
ANG	2006	3830	Stewart	NY	Replace Fire Station	130-142	55296F	7,000	7,000	New	Existing
ANG	2006	3830	Toledo	OH	Replace Logistics Complex	442-759	55296F	6,900	6,900	New	Existing
ANG	2006	3830	Quonset	RI	Replace Aircraft Maintenance Complex	211-157	55296F	12,600	12,600	New	Existing
ANG	2006	3830	McGhee Tyson	TN	Replace Fire Station and Security Forces Complex	130-142	55296F	6,000	6,000	New	New
ANG	2006	3830	Fort Bliss	TX	Replace Base Defense Training Center Complex	730-835	55296F	8,400	8,400	New	Existing
ANG	2006	3830	Fairchild AFB	WA	Replace Logistics Support Complex	442-758	55296F	9,200	9,200	New	Existing
ANG	2006	3830	Cheyenne	WY	Replace Aerial Port and Air Traffic Control Complex	171-447	55296F	10,600	10,600	New	Existing
ANG	2006	3830	Various	--	Planning and Design	--	55296F	4,210			
ANG	2006	3830	Various	--	Unspecified Minor Construction	--	55296F	5,500			
						FY 2006 Total:		190,909			

Comp	FY	Appn	Installation	Location	Project Title	Facility Category	Program Element	Budget Amount $000	Change from FY01 PB $000	Explanation of Changes	Footprint
ANG	2007	3830	Birmingham	AL	Joint Intelligence Center	141-745	55296F	7,100	7,100	New	Existing
ANG	2007	3830	Little Rock AFB	AR	Operations and Training Facility	171-445	55296F	5,100	5,100	New	Existing
ANG	2007	3830	March ARB	CA	KC-135R Flight Simulator Facility	171-212	51411F	1,000	1,000	New	Existing
ANG	2007	3830	Buckley AFB	CO	Replace Control Tower	149-962	55296F	5,800	5,800	New	Existing
ANG	2007	3830	Jacksonville	FL	F-15 Corrosion Control Hangar	211-159	51217F	3,800	3,800	New	Existing
ANG	2007	3830	Hickam AFB	HI	Aircraft Rinse Facilities	116-672	55256F	2,000	2,000	New	New
ANG	2007	3830	Boise	ID	ASOS Beddown	171447	55393F	6,800	6,800	New	Existing
ANG	2007	3830	Boise	ID	Add/Alter Base Supply Complex	442-758	54332F	3,000	3,000	New	Existing
ANG	2007	3830	Hulman	IN	Replace Weapons Release Shop	215-552	55296F	5,000	5,000	New	Existing
ANG	2007	3830	Smoky Hill	KS	Mutes Support Facility	141-454	55296F	1,186	1,186	New	Existing
ANG	2007	3830	New Orleans	LA	Replace Vehicle Maintenance Complex	214-725	55296F	5,500	5,500	New	Existing
ANG	2007	3830	Barnes	MA	Upgrade Aircraft Maintenance Facility	215-552	55296F	8,000	8,000	New	Existing
ANG	2007	3830	Bangor	ME	Repair Joint ANG/FAA Airfield Pavements (Phase II)	111-111	55296F	5,000	5,000	New	Existing
ANG	2007	3830	Alpena	MI	Replace Dining Facility	722-351	55296F	7,100	7,100	New	Existing
ANG	2007	3830	WK Kellogg	MI	Replace Vehicle Maintenance Complex	214-425	55296F	3,800	3,800	New	Existing
ANG	2007	3830	Lambert-St Louis	MO	Upgrade Facilities	800-000	55296F	5,000	5,000	New	Existing
ANG	2007	3830	Gulfport	MS	Replace Medical Training Facility	171-450	55296F	1,665	1,665	New	Existing
ANG	2007	3830	Gulfport	MS	Upgrade Community Support Facility	740-674	55296F	1,250	1,250	New	Existing
ANG	2007	3830	Great Falls	MT	Munitions Load Crew Training Complex	171-875	55296F	3,500	3,500	New	Existing
ANG	2007	3830	Stanly Co	NC	Relocate Communication Complex	171-447	55296F	8,200	8,200	New	Existing
ANG	2007	3830	Hector	ND	EOD Readiness Addition	141-165	55296F	1,500	1,500	New	Existing
ANG	2007	3830	Hancock	NY	Upgrade Force Protection/Infrastructure Systems	890-000	55296F	8,600	8,600	New	Existing
ANG	2007	3830	Hancock	NY	Replace Mobility Processing	171-815	55296F	2,300	2,300	New	Existing
ANG	2007	3830	Schenectady	NY	Replace Base Supply Complex	442-758	55296F	5,500	5,500	New	Existing
ANG	2007	3830	Camp Perry	OH	Replace Troop Training Quarters	725-517	55296F	3,650	3,650	New	Existing
ANG	2007	3830	Will Rogers	OK	Replace Composite Aircraft Maintenance Complex	211-111	55296F	25,000	25,000	New	Existing
ANG	2007	3830	Pittsburgh	PA	Add/Alter Squad Ops and Support Facilities	171-445	55296F	7,700	7,700	New	Existing
ANG	2007	3830	McEntire	SC	Replace Operations and Training Facility #	171-445	55296F	10,200	10,200	New	Existing
ANG	2007	3830	Joe Foss Field	SD	Replace Security Forces Facility	131-111	55296F	8,900	8,900	New	Existing
ANG	2007	3830	Hensley Field	TX	Upgrade Comm Facilities	141-147	55296F	5,000	5,000	New	Existing
ANG	2007	3830	Richmond	VA	Replace Munitions Complex	422-257	55296F	7,000	7,000	New	Existing
ANG	2007	3830	Camp Pendelton	VA	Replace Troop Training Quarters	725-517	55296F	2,500	2,500	New	New
ANG	2007	3830	Volk Field	WI	Replace Squadron Operations Facility	141-753	55296F	4,400	4,400	New	Existing
ANG	2007	3830	Truax Field	WI	Extend Taxiway and Arm/Dearm	112-211	55296F	2,500	2,500	New	New
ANG	2007	3830	Martinsburg	WV	Site Improvements and Utilities	932-000	54119F	12,000	12,000	New	Existing
ANG	2007	3830	Various	--	Planning and Design	--	55296F	4,300			
ANG	2007	3830	Various	--	Unspecified Minor Construction	--	55296F	5,500			
						FY 2007 Total:		206,351			

CONGRESSIONAL LANGUAGE NOTES:

House Report 107-207 directed this project be designed.

* Senate Report 107-68 directed this project be designed.

OTHER PROJECTS NO LONGER IN THE FYDP:

Installation	State	Project Title	Budget Amount $000	Explanation of Changes
Robins AFB	GA	B-1 Operations and Training Facility	5,941	Appropriated in FY 02
Jackson	MS	C-17 Facility Conversion	16,000	Appropriated in FY 02
Atlantic City	NJ	Communications and Security Forces Complex	4,200	Appropriated in FY 02
Gabreski	NY	Composite Support Complex	18,000	Appropriated in FY 02
Jackson	MS	C-17 Replace Fuel Cell and Alter Shops	21,960	Funded in FY 03
McConnell	KS	B-1 Power Check Pad with Sound Suppressor	1,383	Appropriated in FY 01
Barnes	MA	Relocate Taxiway	4,000	Appropriated in FY 01
Selfridge	MI	Upgrade Runway	18,000	Appropriated in FY 01
Pease	NH	Replace Medical Training Facility (VA Joint Use)	4,000	Appropriated in FY 01
Kulis	AK	Replace Pararescue Training Complex	9,000	Deferred
Otis	MA	Upgrade Airfield Storm Water Collection & Detention System	2,000	Appropriated in FY 01
W K Kellogg	MI	Replace Munitions Maintenance & Storage Complex	9,500	Appropriated in FY 02
Harrisburg	PA	Add to Apron/Construct Taxiway	2,585	Deferred
Joe Foss	SD	Replace Base Civil Engineer Maintenance Complex	4,500	Deferred

DEPARTMENT OF THE AIR FORCE
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SECTION IV

FUTURE YEARS DEFENSE PLAN (FYDP)

STATE/INSTALLATION LISTING

AIR NATIONAL GUARD
FUTURE YEARS DEFENSE PROGRAM (FYDP)

DATE: February 2002

Comp	FY	Appn	Installation	Location	Project Title	Facility Category	Program Element	Budget Amount $000	Change from FY01 PB $000	Explanation of Changes	Footprint
ANG	2006	3830	Eielson AFB	AK	Replace Security Forces Operations Facility *	131-111	55296F	5,399	(3,201)	Moved from FY 05. Scope Change	Existing
ANG	2007	3830	Birmingham	AL	Joint Intelligence Center	141-745	55296F	7,100	7,100	New	Existing
ANG	2004	3830	Fort Smith	AR	Operations and Training Facility	171-445	55296F	6,000		New	Existing
ANG	2007	3830	Little Rock AFB	AR	Operations and Training Facility	171-445	55296F	5,100	5,100	New	Existing
ANG	2006	3830	Tucson	AZ	Composite Support Complex	171-450	55296F	5,800	5,800	New	Existing
ANG	2006	3830	Channel Island	CA	Upgrade C-130 Aircraft Parking Ramp	113-321	55296F	12,200	12,200	New	Existing
ANG	2006	3830	March ARB	CA	Replace Aircraft Maintenance Hangar and Shops	211-111	55296F	19,000	19,000	New	Existing
ANG	2006	3830	Sepulveda	CA	Replace Communications and Electronics Training Facility	171-447	55296F	7,000	7,000	New	Existing
ANG	2007	3830	March ARB	CA	KC-135R Flight Simulator Facility	171-212	51411F	1,000	1,000	New	Existing
ANG	2007	3830	Buckley AFB	CO	Replace Control Tower	149-962	55296F	5,800	5,800	New	Existing
ANG	2006	3830	New Castle	DE	Replace C-130 Parking Apron and Taxiway	113-321	55296F	9,900	9,900	New	Existing
ANG	2007	3830	Jacksonville	FL	F-15 Corrosion Control Hangar	211-159	51217F	3,800	3,800	New	Existing
ANG	2006	3830	Savannah	GA	Replace CRTC Operations and Training Complex	171-445	55296F	13,800	13,800	Moved from FY 02	Existing
ANG	2007	3830	Hickam AFB	HI	Aircraft Rinse Facilities	116-672	55256F	2,000	2,000	New	New
ANG	2006	3830	Des Moines	IA	Upgrade Joint ANG/FAA Airfield Facilities *	113-321	55296F	7,400	7,400	New	Existing
ANG	2007	3830	Boise	ID	ASOS Beddown	171447	55393F	6,800	6,800	New	Existing
ANG	2007	3830	Boise	ID	Add/Alter Base Supply Complex	442-758	54332F	3,000	3,000	New	Existing
ANG	2005	3830	Capital	IL	Composite Support Facility Complex	722-351	55296F	10,000	10,000	New	Existing
ANG	2007	3830	Hulman	IN	Replace Weapons Release Shop	215-552	55296F	5,000	5,000	New	Existing
ANG	2006	3830	Forbes	KS	Replace Operations and Training Facility	141-753	55296F	13,400	13,400	New	Existing
ANG	2007	3830	Smoky Hill	KS	Mutes Support Facility	141-454	55296F	1,186	1,186	New	Existing
ANG	2007	3830	New Orleans	LA	Replace Vehicle Maintenance Complex	214-725	55296F	5,500	5,500	New	Existing
ANG	2007	3830	Barnes	MA	Upgrade Aircraft Maintenance Facility	215-552	55296F	8,000	8,000	New	Existing
ANG	2007	3830	Bangor	ME	Repair Joint ANG/FAA Airfield Pavements (Phase II)	111-111	55296F	5,000	5,000	New	Existing
ANG	2006	3830	Selfridge	MI	Replace Joint Dining Facility (w/AFRC)	722-351	55296F	8,500	8,500	New	Existing
ANG	2007	3830	Alpena	MI	Replace Dining Facility	722-351	55296F	7,100	7,100	New	Existing
ANG	2007	3830	WK Kellogg	MI	Replace Vehicle Maintenance Complex	214-425	55296F	3,800	3,800	New	Existing
ANG	2005	3830	Duluth	MN	Replace Aircraft Hangar and Shops	211-152	55296F	15,565	15,565	New. Minor cost reduction to fit TOA	Existing
ANG	2006	3830	Duluth	MN	Replace Joint ANG/FAA Fire Station	130-142	55296F	5,250	5,250	New	New
ANG	2007	3830	Lambert-St Louis	MO	Upgrade Facilities	800-000	55296F	5,000	5,000	New	Existing

AIR NATIONAL GUARD
FUTURE YEARS DEFENSE PROGRAM (FYDP)

DATE: February 2002

Comp	FY	Appn	Installation	Location	Project Title	Facility Category	Program Element	Budget Amount $000	Change from FY01 PB $000	Explanation of Changes	Footprint
ANG	2004	3830	Camp Shelby	MS	C-17 Assault Runway	116-116	54121F	8,546	(454)	Title Change. Minor cost reduction to fit TOA	New
ANG	2004	3830	Key Field	MS	Upgrade Comm Complex	171-447	55393F	6,800	6,800	New	Existing
ANG	2007	3830	Gulfport	MS	Replace Medical Training Facility	171-450	55296F	1,665	1,665	New	Existing
ANG	2007	3830	Gulfport	MS	Upgrade Community Support Facility	740-674	55296F	1,250	1,250	New	Existing
ANG	2007	3830	Great Falls	MT	Munitions Load Crew Training Complex	171-875	55296F	3,500	3,500	New	Existing
ANG	2004	3830	Charlotte	NC	Replace Vehicle Maintenance Complex	214-425	55296F	7,200	7,200	New	Existing
ANG	2007	3830	Stanly Co	NC	Relocate Communication Complex	171-447	55296F	8,200	8,200	New	Existing
ANG	2007	3830	Hector	ND	EOD Readiness Addition	141-165	55296F	1,500	1,500	New	Existing
ANG	2006	3830	Pease	NH	Replace Joint ANG/FAA Fire Station	130-142	55296F	4,450	4,450	New	Existing
ANG	2004	3830	McGuire AFB	NJ	Replace Base CE Complex	219-944	55296F	7,000	7,000	New	Existing
ANG	2006	3830	Reno	NV	Replace Communications and Security Forces	730-835	55296F	8,400	8,400	New	New
ANG	2006	3830	Stewart	NY	Replace Fire Station	130-142	55296F	7,000	7,000	New	Existing
ANG	2007	3830	Hancock	NY	Upgrade Force Protection/Infrastructure Systems	890-000	55296F	8,600	8,600	New	Existing
ANG	2007	3830	Hancock	NY	Replace Mobility Processing	171-815	55296F	2,300	2,300	New	Existing
ANG	2007	3830	Schenectady	NY	Replace Base Supply Complex	442-758	55296F	5,500	5,500	New	Existing
ANG	2005	3830	Mansfield	OH	Replace Vehicle Maintenance	214-725	55296F	3,500	3,500	New	Existing
ANG	2005	3830	Rickenbacker	OH	Replace Fire Station	130-142	55296F	6,000	6,000	New	Existing
ANG	2006	3830	Toledo	OH	Replace Logistics Complex	442-759	55296F	6,900	6,900	New	Existing
ANG	2007	3830	Camp Perry	OH	Replace Troop Training Quarters	725-517	55296F	3,650	3,650	New	Existing
ANG	2007	3830	Will Rogers	OK	Replace Composite Aircraft Maintenance Complex	211-111	55296F	25,000	25,000	New	Existing
ANG	2004	3830	Fort Indiantown	PA	Replace Composite Support Complex	171-445	55296F	14,200	14,200	New	Existing
ANG	2007	3830	Pittsburgh	PA	Add/Alter Squad Ops and Support Facilities	171-445	55296F	7,700	7,700	New	Existing
ANG	2006	3830	Quonset	RI	Replace Aircraft Maintenance Complex	211-157	55296F	12,600	12,600	New	Existing
ANG	2007	3830	McEntire	SC	Replace Operations and Training Facility #	171-445	55296F	10,200	10,200	New	Existing
ANG	2007	3830	Joe Foss Field	SD	Replace Security Forces Facility	131-111	55296F	8,900	8,900	New	Existing
ANG	2005	3830	Nashville	TN	Composite A/C Maint Complex (Phase II)	211-152	55296F	11,000	11,000	New	Existing
ANG	2006	3830	McGhee Tyson	TN	Replace Fire Station and Security Forces Complex	130-142	55296F	6,000	6,000	New	New
ANG	2006	3830	Fort Bliss	TX	Replace Base Defense Training Center Complex	730-835	55296F	8,400	8,400	New	Existing
ANG	2007	3830	Hensley Field	TX	Upgrade Comm Facilities	141-147	55296F	5,000	5,000	New	Existing
ANG	2007	3830	Camp Pendelton	VA	Replace Troop Training Quarters	725-517	55296F	2,500	2,500	New	New
ANG	2007	3830	Richmond	VA	Replace Munitions Complex	422-257	55296F	7,000	7,000	New	Existing
ANG	2006	3830	Fairchild AFB	WA	Replace Logistics Support Complex	442-758	55296F	9,200	9,200	New	Existing
ANG	2007	3830	Truax Field	WI	Extend Taxiway and Arm/Dearm	112-211	55296F	2,500	2,500	New	New
ANG	2007	3830	Volk Field	WI	Replace Squadron Operations Facility	141-753	55296F	4,400	4,400	New	Existing

Comp	FY	Appn	Installation	Location	Project Title	Facility Category	Program Element	Budget Amount $000	Change from FY01 PB $000	Explanation of Changes	Footprint
ANG	2007	3830	Martinsburg	WV	Site Improvements and Utilities	932-000	54119F	12,000	12,000	New	Existing
ANG	2006	3830	Cheyenne	WY	Replace Aerial Port and Air Traffic Control Complex	171-447	55296F	10,600	10,600	New	Existing

CONGRESSIONAL LANGUAGE NOTES:

House Report 107-207 directed this project be designed.

* Senate Report 107-68 directed this project be designed.