



Department of the Air Force

Military Construction and Family Housing Program

**Fiscal Year (FY) 2001
Budget Estimates**

**Justification Data Submitted to Congress
February 2000**

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Fiscal Year (FY) 2001
President's Budget**

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Inside the United States Construction Projects

1. COMPONENT		2. DATE	
AIR FORCE		(computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
WRIGHT-PATTERSON AIR FORCE BASE, OHIO		REPLACE WEST RAMP, PHASE I	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
7.28.96	113-321	ZHTV033201	22,600

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE WEST RAMP, PHASE I	LS			21,497
WEST RAMP APRONS	SM	197,117	88	(17,346)
PAVED SHOULDER	SM	46,071	38	(1,751)
LIQUID FUEL PIPELINES & PITS	LS			(2,400)
SUBTOTAL				21,497
TOTAL CONTRACT COST				21,497
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,225
TOTAL REQUEST				22,722
TOTAL REQUEST (ROUNDED)				22,600

10. Description of Proposed Construction: Remove and replace existing concrete pavement and base at the West ramp parking Aaron, and adjacent paved shoulders, replace hydrant fueling system, fuel pits, and underground utilities. Include the necessary demolition, cleanup, marking, lighting, and all necessary support.

11. REQUIREMENT: As required.
PROJECT: Replace west ramp, phase I. (Current Mission)
REQUIREMENT: Replacement of the existing concrete pavement and base at the west ramp parking apron, adjacent shoulders, hydrant fuel system, underground utilities, and lighting is required. An increase in grade of gross slope of the ramp is required to improve the existing drainage system and to keep the subsurface water away from the slabs. The Air Force Civil Engineering Support Agency's (AFCESA) pavement evaluation report prepared in 1998 recommended reconstruction of the west ramp, and adjacent taxiways. The west ramp pavement's condition was rated poor, and the adjacent taxiways pavement's condition was rated poor and very poor. These areas are highly utilized by the 445th Airlift Wing's C-141B aircraft which fly approximately 1,100 sorties annually.
CURRENT SITUATION: The west ramp and taxiway pavements that lead in and out of the west ramp were constructed in 1959. Numerous repair projects on the taxiways over the last 30 years have repaired durability cracked areas, replaced random slabs, and replaced joint sealants. The most common deterioration of the taxiways are longitudinal cracks, durability cracking, spalling, and patching. The west ramp apron areas are in similar condition to the taxiways and the deterioration is identical. Extensive patchwork has been completed to maintain these old pavements on the West Ramp. Unfortunately, durability cracking continues to occur in

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE REPLACE WEST RAMP, PHASE I	5. PROJECT NUMBER ZHTV033201	
<p>the original pavement and in some patches. Some areas show initial stages of durability cracking, and others show durability cracking in its later stages. The cracks have laced together and begun to break apart and spall. A considerable amount of foreign object damage (FOD) is generated by these distresses which causes operational problems.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Maintenance and repair cost will continue to escalate. Each repair project puts severe restrictions on the aircraft mission during construction. Mission accomplishment will be hampered by the inadequate, and poor condition of these airfield pavements. In addition, there is a higher risk to aircraft and personnel due to the relatively higher level of FOD associated with repaired pavements versus replaced pavements. If these situation continues, it could result in serious and irreparable consequences.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope as specified in Air Force Handbook 32-1084, "Facility Requirements". Base Civil Engineer: Col Jeffery Charles (937) 257-6214. Replace West Ramp, Phase I: 197,117 SM = 2,121,000 SF; 46,071 SM = 49,500 SF</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO						
4. PROJECT TITLE REPLACE WEST RAMP, PHASE I	5. PROJECT NUMBER ZHTV033201					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="357 649 1380 723"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 1130</p> <p>(3a) Construction Contract Award Date 00 DEC</p> <p>(4) Construction Start 01 APR</p> <p>(5) Construction Completion 02 OCT</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
TINKER AIR FORCE BASE, OKLAHOMA					AIR FORCE			MATERIEL COMMAND			
								0.86			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 99		1081	5076	13707					851	620	21,335
b. End FY 2005		1097	5045	14257					851	620	21,870
7. INVENTORY DATA (\$000)											
a. Total Acreage: (4,886)											
b. Inventory Total As Of: (30 SEP 99) 8,338,950											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 18,180											
e. Authorization Included In Following Program: (FY 2002) 17,300											
f. Planned In Next Three Program Years: 45,300											
g. Remaining Deficiency: 124,100											
h. Grand Total: 8,543,830											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
211-159	DEPOT CORROSION CONTROL STRIP FACILITY(WORKING CAPITAL FUND)			5,065 SM		12,380		TURN KEY			
721-312	DORMITORY			96 RM		5,800		TURN KEY			
						TOTAL:	18,180				
9a. Future Projects: Included in the Following Program (FY 2002)											
217-742	COMBAT COMMUNICATIONS SQUADRON OPERATIONS COMPLEX			2,800 SM		8,700					
721-312	DORMITORY			144 RM		8,600					
						TOTAL:	17,300				
9b. Future Projects: Typical Planned Next Three Years:											
141-764	ADD TO INTEGRATION SUPPORT FACILITY			2,726 SM		6,300					
141-764	SOFTWARE SUPPORT FACILITY			6,690 SM		12,600					
211-254	ALTER DEPOT PLATING SHOP				LS	9,600					
721-312	DORMITORY			144 RM		9,300					
721-312	DORMITORY			120 RM		7,500					
10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance, repair and overhaul of B-1, B-2, B-52, KC-135, and E-3 aircraft and aircraft engines; an air base wing; an Air Combat Command Air Control Wing with four E-3 airborne air control squadrons supporting 24 E-3 aircraft; an AFRES wing with one KC-135 squadron, an ACC Communications Group; and an Engineering Installations Wing. A major tenant is the US Navy Strategic Command (TACAMO) Wing with E-6 aircraft.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										5,800,000	
b. Water pollution:										3,124,000	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										59,288	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
TINKER AIR FORCE BASE, OKLAHOMA		DEPOT CORROSION CONTROL STRIP FACILITY (WORKING CAPITAL FUND)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
7.28.96	211-159	WWYK983156	12,380	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DEPOT CORROSION CONTROL STRIP FACILITY	SM	5,065	2,000	10,130
SUPPORTING FACILITIES				1,530
UTILITIES	LS			(680)
PAVEMENT	LS			(400)
SPECIAL FOUNDATION (DRILLED PIERS)	LS			(200)
SITE IMPROVEMENTS	LS			(250)
SUBTOTAL				11,660
TOTAL CONTRACT COST				11,660
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				665
TOTAL REQUEST				12,325
TOTAL REQUEST (ROUNDED)				12,380
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(11,400)

10. Description of Proposed Construction: One-bay structure with concrete slab on pier and grade beam, steel frame, masonry walls, roof, fire wall, fire suppression system, and all other necessary support.
Air Conditioning: 35 KW.

11. REQUIREMENT: 29,622 SM ADEQUATE: 24,557 SM SUBSTANDARD: 3,885 SM
PROJECT: Construct a depot corrosion control strip facility. (Current Mission)
REQUIREMENT: An environmentally safe paint stripping facility is required to perform corrosion control for all presently assigned aircraft (B-1, B-52, KC-135, E-3 etc.). The facility must incorporate the most modern paint stripping technologies and reduce the use of volatile organic compounds (VOCs) as stripping agents.
CURRENT SITUATION: Implementation of the Clean Air Act Amendment of 1990 and the National Emission Standards for Hazardous Air Pollutants (NESHAP) of 1998, requires significant reduction in VOC emissions from paint stripping. Plans are underway to reduce the VOC emissions with a new manual dry media blast technology. The existing facilities are not large enough to accommodate E-3 and B-52 aircraft utilizing the new dry blast system. Currently E-3 aircraft are stripped in an existing paint bay reducing the capacity needed to support painting of the assigned aircraft.
IMPACT IF NOT PROVIDED: A shortfall in depot aircraft strip capabilities will exist at Tinker AFB. Critical depot aircraft corrosion control will be deferred or contracted to an outside source at greater expense. The new strip technology must be incorporated into the corrosion control process to ensure compliance with the NESHAP and continue to meet customer needs.

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE DEPOT CORROSION CONTROL STRIP FACILITY(WORKING CAPITAL FUND)	5. PROJECT NUMBER WWYK983156	
<p>needs.</p> <p><u>ADDITIONAL</u>: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, contracting and status quo alternatives. Based on the net present values and benefits of respective alternatives, new construction was found to be the most cost efficient over the life of the project. The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review on 20 May 98. Base Civil Engineer: Lt Col Mohsen Parhizkar, (405) 734-3451. Depot Corrosion Control Strip Facility: 5065SM = 54,500SF.</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
AIR FORCE			
3. INSTALLATION AND LOCATION			
TINKER AIR FORCE BASE, OKLAHOMA			
4. PROJECT TITLE	5. PROJECT NUMBER		
DEPOT CORROSION CONTROL STRIP FACILITY (WORKING CAPITAL FUND)	WWYK983156		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by design-build procedures			
(2) Basis:			
(a) Standard or Definitive Design -		NO	
(b) Where Design Was Most Recently Used -		N/A	
(3) Design Allowance		619	
(3a) Construction Contract Award Date		00 DEC	
(4) Construction Start		01 MAY	
(5) Construction Completion		02 NOV	
(6) Energy Study/Life-Cycle analysis was/will be performed		Y	
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
INITIAL OUTFITTING EQUIPMENT	DMAG	FY2001	11400

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)										2. DATE	
AIR FORCE												
3. INSTALLATION AND LOCATION					4. COMMAND					5. AREA CONST		
TINKER AIR FORCE BASE, OKLAHOMA					AIR FORCE MATERIEL COMMAND					COST INDEX 0.86		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED				
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
a. As of 30 SEP 99		1081	5076	13707					851	620	21,335	
b. End FY 2005		1097	5045	14257					851	620	21,870	
7. INVENTORY DATA (\$000)												
a. Total Acreage: (4,886)												
b. Inventory Total As Of: (30 SEP 99) 8,338,950												
c. Authorization Not Yet In Inventory: 0												
d. Authorization Requested In This Program: 18,180												
e. Authorization Included In Following Program: (FY 2002) 17,300												
f. Planned In Next Three Program Years: 45,300												
g. Remaining Deficiency: 124,100												
h. Grand Total: 8,543,830												
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001												
CATEGORY							COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE					(\$000)	START	Cmpl			
211-159	DEPOT CORROSION CONTROL STRIP	5,065 SM					12,380	TURN	KEY			
	FACILITY(WORKING CAPITAL FUND)											
721-312	DORMITORY	96 RM					5,800	TURN	KEY			
						TOTAL:	18,180					
9a. Future Projects: Included in the Following Program (FY 2002)												
217-742	COMBAT COMMUNICATIONS	2,800 SM					8,700					
	SQUADRON OPERATIONS COMPLEX											
721-312	DORMITORY	144 RM					8,600					
						TOTAL:	17,300					
9b. Future Projects: Typical Planned Next Three Years:												
141-764	ADD TO INTEGRATION SUPPORT	2,726 SM					6,300					
	FACILITY											
141-764	SOFTWARE SUPPORT FACILITY	6,690 SM					12,600					
211-254	ALTER DEPOT PLATING SHOP	LS					9,600					
721-312	DORMITORY	144 RM					9,300					
721-312	DORMITORY	120 RM					7,500					
10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance, repair and overhaul of B-1, B-2, B-52, KC-135, and E-3 aircraft and aircraft engines; an air base wing; an Air Combat Command Air Control Wing with four E-3 airborne air control squadrons supporting 24 E-3 aircraft; an AFRES wing with one KC-135 squadron, an ACC Communications Group; and an Engineering Installations Wing. A major tenant is the US Navy Strategic Command (TACAMO) Wing with E-6 aircraft.												
11. Outstanding pollution and safety (OSHA) deficiencies:												
a. Air pollution: 5,800,000												
b. Water pollution: 3,124,000												
c. Occupational safety and health: 0												
d. Other Environmental: 0												
12. Real Property Maintenance Backlog This Installation 59,288												

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TINKER AIR FORCE BASE, OKLAHOMA			DORMITORY (96 RM)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
7.28.96	721-312	WWYK003008	5,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (96 RM)					4,530
DORMITORY		SM	3,168	1,430	(4,530)
SUPPORTING FACILITIES					995
UTILITIES		LS			(450)
PAVEMENTS		LS			(350)
SITE IMPROVEMENTS		LS			(125)
RELOCATE BALL FIELD		LS			(70)
SUBTOTAL					5,525
TOTAL CONTRACT COST					5,525
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					315
TOTAL REQUEST					5,840
TOTAL REQUEST (ROUNDED)					5,800
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath/kitchen-room modules, laundry rooms, storage, lounge areas, site preparation, and all other supporting facilities. Relocate ball field. Air Conditioning: 200 KW. Grade Mix: 96 E1-E4.					
11. REQUIREMENT: 1,489 RM ADEQUATE: 624 RM SUBSTANDARD: 188 RM PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: As verified by the Air Force Dormitory Master Plan, the base has insufficient facilities to adequately accommodate permanent party unaccompanied enlisted personnel required to live on-base per Air Force policy. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Lowered morale will contribute to retention difficulties for the Air Force. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks construction standard, known as "one-plus-one," established by OSD. All known alternative options were considered during the development of this project. No other option could meet the mission					

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE DORMITORY (96 RM)	5. PROJECT NUMBER WWYK003008	
<p>requirements; therefore, no economic analysis was needed or performed. FY 1998 Unaccompanied Housing RPM conducted: \$612K. FY 1999 Unaccompanied Housing RPM conducted: \$636K. Future Unaccompanied Housing RPM requirements (estimated): FY00: \$655K; FY01: \$765K; FY02: \$695; FY03: \$716K. Base Civil Engineer: Lt Col Mohsen parhizkar, (405) 734-3451. Dormitory: 3,168SM = 34,088SF.</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE DORMITORY (96 RM)	5. PROJECT NUMBER WWYK003008	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - YES</p> <p>(b) Where Design Was Most Recently Used - TINKER</p> <p>(3) Design Allowance 290</p> <p>(3a) Construction Contract Award Date 00 DEC</p> <p>(4) Construction Start 01 MAR</p> <p>(5) Construction Completion 02 JUN</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA						AIR MOBILITY COMMAND			COST INDEX 0.89		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		420	2788	865				21	65	6	4,165
b. End FY 2005		420	2747	865				21	65	6	4,124
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,733)											
b. Inventory Total As Of: (30 SEP 99) 1,591,795											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 2,500											
e. Authorization Included In Following Program: (FY 2002) 9,800											
f. Planned In Next Three Program Years: 9,000											
g. Remaining Deficiency: 89,400											
h. Grand Total: 1,702,495											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST			DESIGN STATUS		
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>	
171-212		C-17 ADD TO FLIGHT SIMULATOR FACILITY				425 SM		2,500	JAN 99	SEP 00	
						TOTAL:		2,500			
9a. Future Projects: Included in the Following Program (FY 2002)											
111-111		REPAIR RUNWAY NORTH FIELD				220,244 SM		9,800			
						TOTAL:		9,800			
9b. Future Projects: Typical Planned Next Three Years:											
442-758		MOBILITY CENTER/BASE SUPPLY WAREHOUSE				10,500 SM		9,000			
10. Mission or Major Functions: An airlift wing with four C-141/C-17 squadrons; an Air Force Reserve C-141/C-17 associate airlift wing; an Air National Guard air defense detachment with F-16 aircraft; and a combat camera squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										13,200	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										33,829	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA			C-17 ADD TO FLIGHT SIMULATOR FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.11.30	171-212	DKFX963032	2,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 ADD TO FLIGHT SIMULATOR FACILITY		SM	425	2,400	1,020
SUPPORTING FACILITIES					1,341
UTILITIES		LS			(190)
PAVEMENTS		LS			(70)
SITE IMPROVEMENTS		LS			(235)
SEISMIC		LS			(50)
DEMOLITION/ASBESTOS		SM	1,600	441	(706)
COMM SUPPORT		LS			(90)
SUBTOTAL					2,361
TOTAL CONTRACT COST					2,361
SUPERVISION, INSPECTION AND OVERHEAD (6%)					142
TOTAL REQUEST					2,503
TOTAL REQUEST (ROUNDED)					2,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(20,000)
10. Description of Proposed Construction: Demolition of existing exterior wall, construction of two-story addition to existing simulator facility with high bay area, sloped roof, concrete foundation and floor slab, exterior masonry walls with brick veneer to match existing facility, and necessary support. Demolish two facilities in the way of construction (1,600SM). Air Conditioning: 88 KW.					
11. REQUIREMENT: 2,115 SM ADEQUATE: 1,690 SM SUBSTANDARD: 0 PROJECT: Add to a C-17 flight simulator facility. (New Mission) REQUIREMENT: An addition is required to provide an adequate facility to house a full-motion (six axes) flight simulator for the C-17 aircrews in support of the beddown of the remaining 14 C-17 aircraft scheduled to arrive at Charleston, bringing the total number of aircraft on base to 48. This simulator will provide proficiency and effective mission procedures training. It is essential for providing hazardous emergency training that cannot otherwise be conducted. Required areas include a simulator bay, computer room, briefing room, and an associated hydraulic area. Facility construction is required in FY01 to support the FY02 equipment delivery date. CURRENT SITUATION: This project is the second phase of a two-phase program to construct a flight simulator addition for the beddown of the C-17 aircraft at this installation. The first phase provided two bays and was approved in the FY89 MILCON program to support initial delivery of the new aircraft. This addition will provide the final bay needed to support C-17 aircrew training requirements. IMPACT IF NOT PROVIDED: A complete beddown of the C-17 aircraft cannot be					

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE C-17 ADD TO FLIGHT SIMULATOR FACILITY	5. PROJECT NUMBER DKFX963032	
<p>accomplished without providing required flight simulator facilities for training aircrews. A delay in required construction could also lead to liability claims against the government from the simulator contractor for not providing adequate facilities when the equipment is ready.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, new construction, addition) was done. It indicates an addition to the existing C-17 flight simulator is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Tony Cox, (808) 963-4956. C-17 Add to Flight Simulator Facility: 425 SM = 4,575 SF</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE								
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA										
4. PROJECT TITLE C-17 ADD TO FLIGHT SIMULATOR FACILITY	5. PROJECT NUMBER DKFX963032									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used - N/A</p> <p>(3) Design Allowance 230</p> <p>(3a) Construction Contract Award Date 01 JUN</p> <p>(4) Construction Start 01 JUN</p> <p>(5) Construction Completion 02 JUL</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed</p> <p>b. Equipment associated with this project will be provided from other appropriations:</p> <table border="1" data-bbox="211 1117 1400 1251"> <thead> <tr> <th>EQUIPMENT NOMENCLATURE</th> <th>PROCURING APPROPRIATION</th> <th>FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>C-17 FLIGHT SIMULATOR DEVICE</td> <td>3010</td> <td>2000</td> <td>20000</td> </tr> </tbody> </table>			EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	C-17 FLIGHT SIMULATOR DEVICE	3010	2000	20000
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)							
C-17 FLIGHT SIMULATOR DEVICE	3010	2000	20000							

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST COST INDEX		
SHAW AIR FORCE BASE, SOUTH CAROLINA						AIR COMBAT COMMAND			0.86		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 99		649	4534	481				8	18	98	5,788
b. End FY 2005		623	4501	476				8	18	98	5,724
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,387)											
b. Inventory Total As Of: (30 SEP 99) 4,176,816											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 2,850											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 5,000											
g. Remaining Deficiency: 80,660											
h. Grand Total: 4,265,326											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>	<u>START</u>	<u>CMPL</u>		
141-454	USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY				1,366 SM		2,850	NOV 99	SEP 00		
TOTAL:							2,850				
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
722-351	DINING FACILITY				1,898 SM		5,000				
10. Mission or Major Functions: Headquarters Ninth Air Force; a fighter wing with four F-16 squadrons; an information warfare squadron; an air support operations squadron, and a tactical air control squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:											0
b. Water pollution:											0
c. Occupational safety and health:											0
d. Other Environmental:											0
12. Real Property Maintenance Backlog This Installation 6,039											

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
AIR FORCE	(computer generated)				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE			
SHAW AIR FORCE BASE, SOUTH CAROLINA		USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
35111	141-454	VLSB013001	2,850		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY		SM	1,366	1,361	1,859
SUPPORTING FACILITIES					832
UTILITIES		LS			(315)
PAVEMENTS		LS			(255)
SITE IMPROVEMENTS		LS			(175)
DEMOLITION (DISPOSAL OF INTERIM FAC)		SM	1,330	20	(27)
COMMUNICATION SUPPORT (PREWIRING)		LS			(60)
SUBTOTAL					2,691
TOTAL CONTRACT COST					2,691
SUPERVISION, INSPECTION AND OVERHEAD (6%)					161
TOTAL REQUEST					2,852
TOTAL REQUEST (ROUNDED)					2,850
10. Description of Proposed Construction: Metal frame building, concrete floor and foundation, prefinished masonry exterior panels, and standing seam metal roof; parking, access road, sidewalks, fencing, and utilities will be included. Space will be provided for command, evaluation and standardization, production, training, forecast, and communication divisions. Disposal of 1330 SM in interim facilities. Air Conditioning: 122 KW.					
11. REQUIREMENT: 1,366 SM ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct an operations facility for an Operational Weather Squadron. (New Mission) REQUIREMENT: Provide adequate facilities to support the beddown of a weather squadron as part of the Air Force direction weather mission. Space will be provided for command, evaluation and standardization, production, training, forecast, and communication divisions. This squadron will provide theater/regional weather forecast guidance for the planning and execution of Air Force and Army operations within a particular theater or CONUS region 24 hours a day, seven days a week. This squadron will produce drop zone, range, and air refueling forecasts, fine-scale target forecasts, weather warnings, terminal forecasts, and transient aircrew briefings. CURRENT SITUATION: This facility will provide for consolidation of weather personnel from Army and Air Force installations for theater/regional weather forecasting. The full complement of personnel and equipment to achieve an initial operational capability arrived in 1998. Full operational capability for this 148 person squadron is FY 2001. There are no other facilities on the installation that provide					

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY	5. PROJECT NUMBER VLSB013001	
<p>sufficient space for this new mission requirement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> This squadron is vital in providing weather data for the commander of US Air Forces. Without the required facilities, this unit will be unable to accomplish its mission.</p> <p><u>ADDITIONAL:</u> This project meets the criteria and scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, leasing, new construction) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Edward H Henson. Phone: 803-668-3413.</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY	5. PROJECT NUMBER VLSB013001
12. SUPPLEMENTAL DATA: Design, Bid, Build		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		99 NOV 03
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		35%
* (d) Date 35% Designed.		00 JAN 01
(e) Date Design Complete		00 SEP 01
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		171
(b) All Other Design Costs		86
(c) Total		257
(d) Contract		214
(e) In-house		43
(3a) Construction Contract Award Date		01 JAN
(4) Construction Start		01 MAR
(5) Construction Completion		02 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM										2. DATE	
AIR FORCE	(computer generated)											
3. INSTALLATION AND LOCATION							4. COMMAND			5. AREA CONST COST INDEX		
DYESS AIR FORCE BASE, TEXAS							AIR COMBAT COMMAND			0.86		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL	
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
a. As of 30 SEP 99		675	4283	345				26	67	70	5,466	
b. End FY 2005		672	4282	344				26	67	70	5,461	
7. INVENTORY DATA (\$000)												
a. Total Acreage: (6,342)												
b. Inventory Total As Of: (30 SEP 99) 2,772,596												
c. Authorization Not Yet In Inventory: 0												
d. Authorization Requested In This Program: 12,175												
e. Authorization Included In Following Program: (FY 2002) 0												
f. Planned In Next Three Program Years: 25,000												
g. Remaining Deficiency: 66,050												
h. Grand Total: 2,875,821												
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001												
CATEGORY							COST	DESIGN STATUS				
CODE	PROJECT TITLE	SCOPE					(\$000)	START	Cmpl			
179-481	REALISTIC BOMBER TRAINING INITIATIVE	LS					12,175	JAN 99	SEP 00			
TOTAL:						12,175						
9a. Future Projects: Included in the Following Program (FY 2002) NONE												
9b. Future Projects: Typical Planned Next Three Years:												
130-142	FIRE/CRASH RESCUE STATION	2,754 SM					6,200					
141-753	C-130 SQUADRON OPERATIONS/AMU	4,253 SM					7,000					
740-674	FITNESS CENTER	6,844 SM					11,800					
10. Mission or Major Functions: A wing with two B-1 bomber squadrons, one of which is responsible for training all B-1 aircrews, and two C-130 airlift squadrons.												
11. Outstanding pollution and safety (OSHA) deficiencies:												
a. Air pollution:										0		
b. Water pollution:										0		
c. Occupational safety and health:										6,200		
d. Other Environmental:										0		
12. Real Property Maintenance Backlog This Installation										34,919		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
DYESS AIR FORCE BASE, TEXAS			REALISTIC BOMBER TRAINING INITIATIVE		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.76.04	179-481	FNWZ013009	12,175		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REALISTIC BOMBER TRAINING INITIATIVE		LS			11,518
15 ACRE EMITTER SITE (LOW ALT TRNG)		LS			(4,182)
15 ACRE EMITTER SITE (HIGH ALT TRNG)		LS			(3,259)
15 ACRE EMITTER SITE (TRAINING ROUTE)		LS			(1,815)
15 ACRE EMITTER SITE (OPERATION AREA)		LS			(1,815)
LAND ACQUISITION		AC	165	2,709	(447)
SUBTOTAL					11,518
TOTAL CONTRACT COST					11,518
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					657
TOTAL REQUEST					12,175
TOTAL REQUEST (ROUNDED)					12,175
10. Description of Proposed Construction: Acquisition of land for emitter sites and construction of emitter facilities with concrete floors, walls and standing seam metal roofs. Work includes gravel parking pads, electricity, perimeter fence, gravel access roads and water and sewer lines to emitter sites. Includes all sitework and necessary support.					
11. REQUIREMENT: As required. <u>PROJECT:</u> Construct realistic bomber training initiative. (New Mission) <u>REQUIREMENT:</u> Provide realistic, simultaneous, integrated training using interrelated training assets that offer terrain and airspace to simulate the variety of conditions anticipated for combat missions for B-1 and B-52 aircrews. These training assets in the proximity of Barksdale and Dyess Air Force Bases are required to maximize high-value training time and reduce transit time that yields low training value. <u>CURRENT SITUATION:</u> Currently, bomber aircraft from Dyess and Barksdale fly to training range sites located over large multi-state regions requiring long sortie durations. Costly flying hours are expended while transiting to and from these ranges. Non-essential operational flying hours per year are estimated at 300 for B-52's from Barksdale Air Force Base and 200 for B-1's from Dyess Air Force Base. This project will eliminate those non-essential flying hours and allow the training of an additional twenty-two aircrews per year. Aircrews will be able to efficiently train on a range designed for effective and realistic bomber missions. <u>IMPACT IF NOT PROVIDED:</u> The Air Force would not be able to train and produce replacement aircrews in sufficient numbers to man B-1 and B-52 weapon systems in the future. Aircrews will continue to receive inadequate training scenarios and continue to fly additional hours to					

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION DYESS AIR FORCE BASE, TEXAS		
4. PROJECT TITLE REALISTIC BOMBER TRAINING INITIATIVE	5. PROJECT NUMBER FNWZ013009	
<p>enter and exit existing training ranges.</p> <p><u>ADDITIONAL</u>: This project meets the criteria/scope specified in Air Force Handbook, 32-1084, "Facility Requirements." All known alternative 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. Base Civil Engineer: Lt Col David Biescheuvel, (915) 696-2250.</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION DYESS AIR FORCE BASE, TEXAS																												
4. PROJECT TITLE REALISTIC BOMBER TRAINING INITIATIVE	5. PROJECT NUMBER FNWZ013009																											
<p>12. SUPPLEMENTAL DATA: Design, Bid, Build</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0" style="width: 100%;"> <tr> <td>(a) Date Design Started</td> <td style="text-align: right;">99 JAN 26</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 2000</td> <td style="text-align: right;">35%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td style="text-align: right;">99 DEC 20</td> </tr> <tr> <td>(e) Date Design Complete</td> <td style="text-align: right;">00 SEP 01</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">NA</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design -</td> <td style="text-align: right;">NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0" style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications</td> <td style="text-align: right;">730</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td style="text-align: right;">366</td> </tr> <tr> <td>(c) Total</td> <td style="text-align: right;">1096</td> </tr> <tr> <td>(d) Contract</td> <td style="text-align: right;">913</td> </tr> <tr> <td>(e) In-house</td> <td style="text-align: right;">183</td> </tr> </table> <p>(3a) Construction Contract Award Date 01 JAN</p> <p>(4) Construction Start 01 MAR</p> <p>(5) Construction Completion 02 SEP</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Date Design Started	99 JAN 26	(b) Parametric Cost Estimates used to develop costs	Y	* (c) Percent Complete as of Jan 2000	35%	* (d) Date 35% Designed.	99 DEC 20	(e) Date Design Complete	00 SEP 01	(f) Energy Study/Life-Cycle analysis was/will be performed	NA	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	730	(b) All Other Design Costs	366	(c) Total	1096	(d) Contract	913	(e) In-house	183
(a) Date Design Started	99 JAN 26																											
(b) Parametric Cost Estimates used to develop costs	Y																											
* (c) Percent Complete as of Jan 2000	35%																											
* (d) Date 35% Designed.	99 DEC 20																											
(e) Date Design Complete	00 SEP 01																											
(f) Energy Study/Life-Cycle analysis was/will be performed	NA																											
(a) Standard or Definitive Design -	NO																											
(b) Where Design Was Most Recently Used -	N/A																											
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(e) In-house	183																											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
LACKLAND AIR FORCE BASE, TEXAS				AIR EDUCATION AND TRAINING COMMAND				0.82			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 99		1732	4861	2815	86	5670		62	1756	25	17,007
b. End FY 2005		1745	4858	3532	58	6226		62	1756	25	18,262
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,753)											
b. Inventory Total As Of: (30 SEP 99) 8,280,051											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 5,500											
e. Authorization Included In Following Program: (FY 2002) 5,800											
f. Planned In Next Three Program Years: 37,800											
g. Remaining Deficiency: 37,600											
h. Grand Total: 8,366,751											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMPL</u>	
721-312		DORMITORY				96 RM		5,500		JAN 99 SEP 00	
						TOTAL:		5,500			
9a. Future Projects: Included in the Following Program (FY 2002)											
721-312		DORMITORY				96 RM		5,800			
						TOTAL:		5,800			
9b. Future Projects: Typical Planned Next Three Years:											
721-312		STUDENT DORMITORY				200 RM		16,700			
721-312		DORMITORY				96 RM		5,800			
721-312		DORMITORY				96 RM		6,100			
740-674		FITNESS CENTER (MEDINA)				3,206 SM		5,100			
740-884		CHILD DEVELOPMENT CENTER				2,384 SM		4,100			
10. Mission or Major Functions: A training wing which includes Basic Military Training School; security forces, cryptographic maintenance, recruiting, and Air Force and Navy food service courses; Air Force Security Forces Center, Force Protection Battlelab; Defense Language Institute, English Language Center; Department of Defense Military Working Dog Training Agency; Inter-American Air Forces Academy, 433rd Contingency Hospital, and a major Air Force medical center.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										771	
b. Water pollution:										310	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										33,822	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LACKLAND AIR FORCE BASE, TEXAS			DORMITORY (96 RM)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.57.96	721-312	MPLS023293	5,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (96 RM)		SM	3,168	1,349	4,274
SUPPORTING FACILITIES					883
UTILITIES		LS			(375)
PAVEMENTS		LS			(350)
SITE IMPROVEMENTS		LS			(158)
SUBTOTAL					5,157
TOTAL CONTRACT COST					5,157
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					294
TOTAL REQUEST					5,451
TOTAL REQUEST (ROUNDED)					5,500
10. Description of Proposed Construction: A three-story facility with concrete foundation and floor slab, structural steel framing, masonry walls and standing seam metal roof. Includes room-bath/kitchen-room modules, day rooms, linen storage, mechanical equipment and communications rooms, fire protection, utilities, parking, and all necessary support. Extend utility service to an unimproved area of the base. Air Conditioning: 300 KW. Grade Mix: 96 E1-E4.					
11. REQUIREMENT: 2,388 RM ADEQUATE: 806 RM SUBSTANDARD: 83 RM PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with on-base housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to successful accomplishment of the increasingly complicated and critical jobs Air Force personnel must perform. This project is in accordance with the Air Force Dormitory Plan. CURRENT SITUATION: As verified by the Air Force Dormitory Master Plan, the base has insufficient facilities to adequately accommodate permanent party unaccompanied enlisted personnel required to live on-base per Air Force policy. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Lowered morale will contribute to retention difficulties for the Air Force. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks construction standard known as "one-plus-one" established					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE DORMITORY (96 RM)	5. PROJECT NUMBER MPLS023293	
<p>by OSD. All known alternative 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. A certificate of exception has been prepared. Unaccompanied Housing RPM Conducted: FY98 \$2,590K; FY99 \$2,000K; FY00 (estimated) \$2,500K; FY01 (estimated) \$2,500K; FY02 (estimated) \$2,500K; FY03 (estimated) \$2,500K. Base Civil Engineer: Lt Col Gordon Green, (210)671-2977 Dormitory: 3,168SM = 34,088 SF</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

LACKLAND AIR FORCE BASE, TEXAS

4. PROJECT TITLE	5. PROJECT NUMBER
DORMITORY (96 RM)	MPLS023293

12. SUPPLEMENTAL DATA:

a. Estimated Design Data: **Design, Bid, Build**

- (1) Status:
- (a) Date Design Started 99 JAN 22
 - (b) Parametric Cost Estimates used to develop costs Y
 - * (c) Percent Complete as of Jan 2000 15%
 - * (d) Date 35% Designed. 99 AUG 30
 - (e) Date Design Complete 00 SEP 15
 - (f) Energy Study/Life-Cycle analysis was/will be performed Y

- (2) Basis:
- (a) Standard or Definitive Design - YES
 - (b) Where Design Was Most Recently Used - LACKLAND

- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
- (a) Production of Plans and Specifications 220
 - (b) All Other Design Costs 110
 - (c) Total 330
 - (d) Contract 280
 - (e) In-house 50

- (3a) Construction Contract Award Date 00 DEC
- (4) Construction Start 01 FEB
- (5) Construction Completion 02 MAR

* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.

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