

**INSIDE THE
UNITED STATES**

COMPONENT AIR FORCE		FY 2005 MILITARY CONSTRUCTION PROGRAM						2. DATE		
1. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE ALASKA				4. COMMAND: PACIFIC AIR FORCES			5. AREA CONST COST INDEX 1.67			
i. Personnel strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
150FY0303P 03	909	6,541	1,777	0	63	0	341	131	429	9,76
		6,364	1,723	0	63	0	341	131	429	9,53
7. INVENTORY DATA (\$000)										
i. Total Acreage										19,790
j. Inventory Total as of : (30 Sep 03)										6,959,17
k. Authorization Not Yet in Inventory:										2,00
l. Authorization Requested in this Program:										26,05
m. Authorization Included in the Following Program: (FY 2006)										34,75
n. Planned in Next Three Years Program:										123,721
o. Remaining Deficiency:										267,701
p. Grand Total:										7,413,41
3. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2005)										
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000		DESIGN START		STATUS
CODE										C M P L
140-674		Add/Alter Fitness Center		4,450	SM	11,957		Apr-03		Sep-04
171-212		C-I 7 Flight Simulator Facility		1,177	SM	7,700		Jan-03		Sep-04
332-266		C-I 7 Support Utilities		1	LS	6,400		Jan-03		Sep-04
						Total	26,057			
3a. Future Projects: Included in the Following Program: (FY2006)										
14-426		Large Airframe Maintenance Hangar		7,036	SM	27,858				
11-179		Replace Regional PME Center		1,207	SM	6,900				
						Total	34,758			
3b. Future Projects: Typical Planned Next Three Years:										
721-312		Dormitory		120	RM	21,500				
721-312		Dormitory		120	RM	21,500				
171-212		Construct F-15E Flight Simulator (DMO) Facility		650	SM	7,900				
10-285		Repair ALCOM Headquarters		11,767	SM	29,826				
311-145		Repair Arctic Utilities Distribution System, Ph 1 of 10		1	LS	9,900				
17-712		Replace Avionics Shop		2508	SM	9,900				
721-312		Dormitory		144	RM	21,100				
19-944		Construct Entomology Facility		220	SM	2,100				
						Total	123,726			
3c. Real Property Maintenance Backlog This Installation (\$M)										53
10. Mission or Major Functions: A host wing supporting three fighter squadrons including two F-15C/D squadrons, one F-15E squadron, one E-3 air control squadron and an airlift squadron with C-130H and C-12 aircraft; Headquarters Eleventh Air Force; Alaska Command and Alaska NORAD Region Headquarters.										
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

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA			4. PROJECT TITLE C-17 FLIGHT SIMULATOR FACILITY	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 171-212	7. PROJECT NUMBER PXSB043008	8. PROJECT COST (\$000) 7,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT	COST
CONSTRUCT C-17 PLIGHT SIMULATOR PAC				5,811
FLIGHT SIMULATOR	SM	1,177	4,725	(5,561)
ANTITERRORISM/FORCE PROTECTION	SM	1,177	212	(250)
SUPPORTING FACILITIES				1,105
UTILITIES	LS			(550)
PAVEMENTS	LS			(130)
SITE IMPROVEMENTS	LS			(100)
SOIL REMEDIATION	LS			(175)
COMMUNICATIONS SUPPORT	LS			(150)
SUBTOTAL				6,916
CONTINGENCY (5.0 %)				346
TOTAL CONTRACT COST				7,262
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				472
TOTAL REQUEST				7,734
TOTAL REQUEST (ROUNDED)				7,700
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(25,500.0)
<p>10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, steel frame, walls, and roof. Includes simulator bay, admin offices, computer, hydraulic pump, mechanical, and training rooms, as well as all utilities, fire suppression, force protection, security, and communications requirements. Encompasses support for site improvements, pavements & contaminated soil remediation to meet environmental needs.</p> <p>Air Conditioning: 59 Tons</p>				
<p>11. REQUIREMENT: 2,873 SM ADEQUATE: 1,696 SM SUBSTANDARD : 0 SM</p> <p>PROJECT: Construct a C-17 flight simulator facility. (New mission)</p> <p>REQUIREMENT: A C-17 six axis flight simulator is designed to teach the full spectrum of flight operations. This training is not only necessary to enhance mission effectiveness, but is essential to provide hazard/emergency training not available through other methods. The simulator is used to familiarize flight crews with the location, purpose, and functions of all cockpit components and to teach preflight procedures, ground operations, basic flight maneuvers, air refueling, Station Keeping Equipment (SKE) formations, approach and landing procedures, and short austere airfield (SAAF) operations. This training is required not only for initial training, but it is required for aircrew to maintain their proficiency and comply with annual training requirements. Because of the high cost of aircraft operations and C-17's high utilization rates, flight simulators are a highly efficient means of accomplishing these requirements.</p> <p>CURRENT SITUATION: There are no facilities on Elmendorf AFB that can accommodate a C-17</p>				

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5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 171-212	7. PROJECT NUMBER PXSB043008	8. PROJECT COST (\$000) 7,700
<p>light simulator.</p> <p>IMPACT IF NOT PROVIDED: The C-17 was designed as a "simulator intensive" system, therefore, it will be necessary to send aircrew on frequent TDYs to other simulator sites, overloading those simulators' capacity and seriously degrading aircrew proficiency by interfering with timely and effective sequencing of their training tasks and objectives. These TDYs will also result in higher training costs in terms of reduced unit capability due to reduced aircrew availability for operational missions during these lengthy periods of time.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one Option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Colonel Richard Fryer, DSN 552-4833. Flight Simulator Facility: 1,177 SM = 12,668 SF. Design Build - design costs (3% of subtotal cost): \$207,000.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope is based on Air Force requirements.</p>			

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5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 171-212	7. PROJECT NUMBER FXSB043008	8. PROJECT COST (\$000) 7,700	
12. SUPPLEMENTAL DATA:				
a. Estimated Design Data:				
(1) status:				
(a) Date Design Started				30-JAN-03
(b) Parametric Cost Estimate ⁶ used to develop costs				YES
• (c) Percent Complete as of 01 JAB 2004				15%
* (d) Date 35% Designed				20-SEP-03
(e) Date Design Complete				30-SEP-04
(f) 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 -				
(3) Total Cost (c) = (a) + (b) or (d) + (e):				(\$000)
(a) Production of Plan ⁶ and Specifications				462
(b) All Other Design Costs				231
(c) Total				693
(d) Contract				597
(e) In-house				96
(4) Construction Contract Award				04 DEC
(5) Construction Start				05 APR
(6) Construction Completion				06 DEC
• Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.				
b. Equipment associated with this project provided from other appropriations:				
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	
C-17 WEAPONS SYSTEM SIMULATOR	3080	2005	25,500	

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE C-17 SUPPORT UTILITIES			
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 832-266	7. PROJECT NUMBER FXSB053011	8. PROJECT COST (\$000) 6,400		
9. COST ESTIMATES					
ITEM		I/M	QUANTITY	UNIT	COST
C-17 SUPPORT UTILITIES					4,661
UPGRADE SANITARY SEWER LINE		LM	3,075	250	(769)
SEWER LIFT STATION		EA	2	305,000	(610)
UPGRADE WATER SUPPLY LINE		LM	675	375	(253)
EXTEND ELECTRICAL DISTRIBUTION		LM	2,065	210	(434)
INSTALL NATURAL GAS PIPELINE		LM	3,111	225	(700)
UPGRADE STORM DRAINAGE SYSTEM		LM	3,075	275	(846)
COMMUNICATIONS		LS			(250)
PAVEMENTS		LS			(800)
SUPPORTING FACILITIES					1,065
SITE IMPROVEMENTS/PAVEMENTS		LS			(290)
ENVIRONMENTAL CLEANUP		LS			(775)
SUBTOTAL					5,726
CONTINGENCY (5.0 %)					286
TOTAL CONTRACT COST					6,012
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)					391
TOTAL REQUEST					6,403
TOTAL REQUEST (ROUNDED)					6,400
10. Description of Proposed Construction: Upgrade sanitary sewer trunk line from 8" to 12" and add two lift stations. Extend existing electrical distribution and communication network and upgrade the water supply line to include increased water flow to meet fire suppression requirements. Install new natural gas pipeline and upgrade existing storm drainage line. Project includes site improvements, pavement and environmental cleanup.					
11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS					
PROJECT: C-17 support utilities. (New mission)					
REQUIREMENT: The beddown of a new C-17 flying squadron is going to require the construction of large new facilities to support the new aircraft and the increased base population. These new facilities will require expanded supporting utilities on the north side of the base. These include: Sanitary sewer, water, underground electricity, natural gas for heating, communications, and storm drainage, as well as the accompanying site improvement, pavements, and environmental cleanup. The utilities must be designed and built with adequate capacity, security, and dependability to support the C-17 complex for eight primary assigned aircraft (PAA), maintenance hangars, computerized training facilities, and squadron operations and administrative activities. The C-17 beddown includes the construction of training apparatus that uses environmentally sensitive electronic components with large electrical requirements.					
CURRENT SITUATION: The utilities, in the north side area designated for the new C-17 complex, were originally constructed during the Korean War era for small propeller					

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3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA			4. PROJECT TITLE C-17 SUPPORT UTILITIES	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 832-266	7. PROJECT NUMBER FXSB053011	8. PROJECT COST (\$000) 6,400	
<p>aircraft. Since the 19506, there has been considerable new construction in the designated area for transient aircraft, with the result that the current utilities are now capable of only nominal support of existing needs. There is no capacity left to support the new facilities being constructed for the beddown of the C-17 squadron.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without these utility upgrades, it will not be possible to fully utilize the facilities to be constructed for the new C-17 squadron a6 they were designed to be used. The result would be severe constraints in capabilities to support squadron operations, maintenance of aircraft, and training of squadron personnel. The new C-17 squadron's mission and safety would be put in jeopardy. At a minimum, lack of adequate utilities for the new C-17 complex would create a situation of gross inefficiency.</p> <p><u>ADDITIONAL:</u> This project meet6 the criteria/scope specified in Air Force Handbook 32-1084, 'Facility Requirements." A preliminary analysis of reasonable option6 for satisfying this requirement indicate6 that only one option will meet mission needs. Therefore a complete economic analysis wa6 not performed. A certificate of exception ha6 been prepared. Base Civil Engineer: Colonel Richard Fryer, 907-552-4833.</p> <p><u>JOINT USE CERTIFICATION:</u> This is an installation utility/infrastructure project, and doe6 not qualify for joint use at this location. However, all tenant6 on this installation are benefited by this project.</p>				

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3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE C-17 SUPPORT UTILITIES	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 832-266	7. PROJECT NUMBER FXSB053011	8. PROJECT COST (\$000) 6,400
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			30-JAN-03
(b) Parametric Cost Estimates used to develop costs			YES
. (c) Percent Complete as of 01 JAN 2004			15%
. (d) Date 35% Designed			20-SEP-03
(e) Date Design Complete			30-SEP-04
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			384
(b) All Other Design Costs			192
(c) Total			576
(d) Contract			480
(e) In-house			96
(4) Construction Contract Award			04 DEC
(5) Construction Start			05 FEB
(6) Construction Completion			06 MAY
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	PY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2.	DATE	
3. INSTALLATION AND LOCATION ELMENDORP AIR FORCE BASE, ALASKA			4. PROJECT TITLE ADD/ALTER FITNESS CENTER		
5. PROGRAM ELEMENT 21596	6. CATEGORY CODE 740-674	7. PROJECT NUMBER FXSB965106	8. PROJECT COST (\$000) 11,957		
9 . C O S T ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST
ADD/ALTER FITNESS CENTER					8,978
ADDITION		SM	2,467	2,449	(6,042)
ALTERATION		SM	1,983	1,395	(2,766)
ANTITERRORISM FORCE PROTECTION		SM	4,450	38	(170)
SUPPORTING FACILITIES					1,715
UTILITIES		LS			(440)
SITE PREPARATION/CONTAMINATED SOIL		LS			(400)
COMMUNICATIONS		LS			(120)
PAVEMENTS/ROADWAY		LS			(335)
ASBESTOS REMOVAL/DISPOSAL		LS			(420)
SUBTOTAL					10,693
CONTINGENCY (5.0 %)					535
TOTAL CONTRACT COST					11,228
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)					730
TOTAL REQUEST					11,957
TOTAL REQUEST (ROUNDED)					11,957
10. Description of Proposed Construction: Expand and upgrade fitness center interior and HVAC systems. Includes locker rooms, group exercise rooms, cardiovascular equipment rooms, lobby, admin support, weight training, racquetball courts and Health and Wellness Center (HAWC). Includes all support utilities, force protection, comm, pavements, roadway realignment, contaminated soil remediation, and hazardous material disposal.					
11. REQUIREMENT: 4,450 SM ADEQUATE: 0 SM SUBSTANDARD: 1,983 SM					
PROJECT: Add to and alter fitness center. (Current Mission)					
REQUIREMENT: A modern, safe and functional fitness center to meet the base population's needs for enhanced physical fitness, moral, and wellness functions. This is a major personnel quality-of-life, force retention requirement that impacts readiness. Antiterrorism force protection measures will be in accordance with local threat assessment or minimum DoD MILCON Construction standards.					
CURRENT SITUATION: The existing fitness center is too small and functionally inadequate to meet the needs of the base population. The deteriorated 1957 facility's utilities cannot efficiently support modern fitness equipment. Major program spaces and circulation routes linking them are not conducive to efficient functional operation. The fitness center is undersized compared to the USAF Fitness Center Design Guide criteria. Also, there is not adequate space to support a Health & Wellness Center (HAWC) activity that needs to be colocated with the fitness activities to benefit from the synergy of the two programs working together.					
IMPACT IF Not PROVIDED: Without the expansion and alteration of the existing facility, adequate physical fitness programs and training required by the base population will not					

.. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
I. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE ADD/ALTER FITNESS CENTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 740-674	7. PROJECT NUMBER FXSB965106	8. PROJECT COST (\$000) 11,957
<p>e provided. This will continue to adversely impact personnel fitness, morale and retention. The existing facility and its utilities will continue to be inefficient relative to energy consumption and will require excessive maintenance to remain minimally functional.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-084, "Facility Requirements." It is in accordance with criteria/space specified in the SAP Fitness Facilities Design Guide. On 26 Apr 99, the USAF Center for Environmental excellence evaluated the Elemendorf APB physical fitness facilities and compared them against Air Force standards and recommended expansion and corrective actions. This project provides the corrective action to bring the fitness center up to standards. Execution strategy will be via Design-Build Request for Proposal. Base Civil Engineer: Colonel Richard Fryer, 907-552-4833. Fitness Center Addition: 2,467 SM = 26,545 SF; Iteration: 1,983 SM = 21,337 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

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3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE ADD/ALTER FITNESS CENTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 740-674	7. PROJECT NUMBER FXSB965106	8. PROJECT COST (\$000) 11,957
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		18-APR-03	
(b) Parametric Cost Estimates used to develop costs		YES	
• (c) Percent Complete as of 01 JAN 2004		15%	
• (d) Date 35% Designed		01-SEP-03	
(e) Date Design Complete		10-SEP-04	
(f) 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 -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)	
(a) Production of Plans and Specifications		717	
(b) All Other Design Costs		358	
(c) Total		1,075	
(d) Contract		956	
(e) In-house		119	
(4) Construction Contract Award		04 NOV	
(5) Construction Start		04 DEC	
(6) Construction Completion		06 DEC	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE		FY 2005 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA			4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 0.98				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	AS OF 30 SEP 03	961	5397	1629	35	101	0	2	27	
END FY 2008	1040	5776	1535	35	101	0	2	27	441	8,95
7. INVENTORY DATA (\$000)										
a. Total Acreage:										10,953
b. Inventory Total as of : (30 Sep 03)										1,062,14
c. Authorization Not Yet in Inventory:										34,17
d. Authorization Requested in this Program:										10,02
e. Authorization Included in the Following Program: (FY 2006)										24,79
f. Planned in Next Three Years Program:										49,49
g. Remaining Deficiency:										21,10
h. Grand Total:										1,201,73
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2005)										
CATEGORY				SCOPE		COST \$,000		DESIGN START		STATUS
CODE	PROJECT TITLE			SCOPE		\$,000	START	STATUS		DATE
141-753	CSAR C-I 30 Squadron Operations			2,500 SM		5,786	Apr-03	Sep-0		
116-662	Airfield Obstruction - Hazardous Cargo Pad/Taxiway			24,302 SM		4,243	Apr-03	Sep-0		
Total						10,029				
9a. Future Projects: Included in the Following Program: (FY2006)										
211-173	AMARC Hangar			7,130 SM		17,000				
141-454	CSAR-CR0 Led Rescue Maint Sqd			3,500 SM		7,797				
Total						24,797				
9b. Future Projects: Typical Planned Next Three Years:										
731-142	Fire/Crash Rescue Station			3,500 SM		10,200				
211-111	CSAR C-I 30 Hangar/AMU			2,500 SM		7,298				
141-821	Consolidated Woodmill Complex			4,500 SM		6,600				
610-281	Consolidated Mission Support Center			3,300 SM		7,200				
141-753	EC-I 30 Squad Ops/AMU (41 ECS)			3,143 SM		7,000				
735-441	Education Center/Library			5,184 SM		11,200				
Total						49,498				
9c. Real Property Maintenance Backlog This Installation (\$M):										92
10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/OA-10 aircrews; one A/OA-10 fighter squadron, two EC-130 electronic combat squadrons, a tactical air control wing; an Air Force Reserve HH-60 rescue squadron; and Air Force Material Command's Aerospace Maintenance and Regeneration Center.										
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

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION DAVIS-MONTRAN AIR FORCE BASE, ARIZONA			4. PROJECT TITLE CSAR C-130 SQUADRON OPERATIONS		
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FBNV043005	8. PROJECT COST (\$000) 5,786		
9. COST ESTIMATES					
ITEM		I/M	QUANTITY	UNIT	COST
CSAR C-130 SQUADRON OPERATIONS		LS			4,171
SQUADRON OPERATIONS		SM	2,500	1,660	(4,150
ANTITERRORISM/FORCE PROTECTION		LS			(21
SUPPORTING FACILITIES					1,043
UTILITIES		LS			(215
PAVEMENTS		LS			(370
SITE IMPROVEMENTS		LS			(139
DEMOLITION		SM	1,989	130	(259
COMMUNICATION SUPPORT		LM	2,500	24	(60,
SUBTOTAL					5,214
CONTINGENCY (5.0 %)					261
TOTAL CONTRACT COST					5,474
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)					312
TOTAL REQUEST					5,786
TOTAL REQUEST (ROUNDED)					5,786
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(797.0
<p>10. Description of Proposed Construction: Split-face block with reinforced concrete Foundation and floor slab, structural steel frame, and standing seam metal roof. Fire detection/ protection, utilities, site improvements, landscaping, access roads, parking, demolition of one facility (1,989 SM), pavement demolition, and all necessary support. Includes DoD force protection standards.</p> <p>Air Conditioning: 100 KW.</p>					
<p>11. REQUIREMENT: 23,913 SM ADEQUATE: 15,668 SM SUBSTANDARD: 5,142 SM</p> <p>PROJECT: Construct CSAR C-130 squadron operations facility. (New Mission).</p> <p>REQUIREMENT: The Combat Search and Rescue (CSAR) C-130 flight operations mission requires adequate space for planning, briefing, and supporting operations personnel. This mission also requires space to maintain life support and mobility equipment, crew rooms, and locker space. Force protection will comply with the DoD Anti-terrorism construction standards for buildings.</p> <p>CURRENT SITUATION: Davis-Monthan does not have any excess or adequate facilities that can be converted to accommodate this new CSAR mission. C-130 flight operations personnel are working in temporary, inadequate facilities.</p> <p>IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential C-130 flight operations and mission planning functions forcing inadequate and high risk workarounds. The potential for significant degradation of mission performance and capabilities will be increased. In addition, due to the inadequate work environment, morale of Air Force personnel will be lowered resulting in less productivity.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for</p>					

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3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE CSAR C-130 SQUADRON OPERATIONS	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FBNV043005	8. PROJECT COST (\$000) 5,786
<p>accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one 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 Karl Bosworth, (520) 228-3401. Squadron Operations Facility: 2,500 SM = 26,910 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> Mission requirements, operational considerations, and location are incompatible with use by other components.</p>			

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTBAN AIR FORCE BASE, ARIZONA			4. PROJECT TITLE CSAR C-130 SQUADRON OPERATIONS	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FBNV043005	8. PROJECT COST (\$000) 5,786	
12. SUPPLEMENTAL DATA:				
a. Estimated Design Data:				
(1) Status:				
(a) Date Design Started			02-APR-03	
(b) Parametric Cost Estimates used to develop costs			YES	
• (c) Percent Complete as of 01 JAN 2004			15%	
* (d) Date 35% Designed			01-AUG-03	
(e) Date Design Complete			01-SEP-04	
(f) 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 -				
(3) Total Cost (c) = (a) + (b) or (d) + (e):				(\$000)
(a) Production of Plans and Specifications			347	
(b) All Other Design Costs			174	
(c) Total			521	
(d) Contract			463	
(e) In-house			58	
(4) Construction Contract Award			05 JAN	
(5) Construction Start			05 FEB	
(6) Construction Completion			06 APR	
• Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.				
b. Equipment associated with this project provided from other appropriations:				
EQUIPMENT NOMENCLATURE		PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATION EQUIP/WIRING		3400	4	797

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION DAVIS-MONTRAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE AIRFIELD OBSTRUCTION - HAZARDOUS CARGO PAD/TAXIWAY			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 116-662	7. PROJECT NUMBER FBNV073001	8. PROJECT COST (\$000) 4,243		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST
HAZARDOUS CARGO PAD		SM	1	0	2,176
CARGO PAD		SM	7,442	135	(1,005)
TAXIWAY (APPROACH)		SM I	6,340	135	(856)
SHOULDERS, PAVED		I SM I	10,520	30 I	(316)
SUPPORTING FACILITIES		I I			1,647
UTILITIES		LS			(997)
PAVEMENT		LS			(480)
RELOCATE WINDSET		LS			(20)
ENVIRONMENTAL REMEDIATION		LS			(150)
SUBTOTAL					3,823
CONTINGENCY (5.0 %)					191
TOTAL CONTRACT COST					4,014
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)					229
TOTAL REQUEST					4,243
TOTAL REQUEST (ROUNDED)					4,243
<p>L0. Description of Proposed Construction: Cargo pad and approach taxiway to be constructed of approximately 16 inch Portland cement concrete, aggregate base course beneath both, with asphaltic paved shoulders. Includes a paved access road, taxiway lighting, site improvements, windset relocation, utilities, and environmental costs.</p>					
<p>L1. REQUIREMENT: 62,626 SM ADEQUATE: 0 SM SUBSTANDARD: 55,184 SM</p> <p>PROJECT: Construct a hazardous cargo pad. (Current Mission)</p> <p>REQUIREMENT: The cargo pad is required to receive shipment of ammunition and explosives. Project includes an approach taxiway, paved shoulders and supporting utilities. Also included is the construction of a paved access road for unloading and hauling of cargo to the munitions storage area.</p> <p>CURRENT SITUATION: The current hazardous cargo pad is located inside the primary airfield surface area and violates Air Force safety standards.</p> <p>IMPACT IF NOT PROVIDED: The base will continue to violate Air Force safety standards and will continue to violate airfield criteria resulting in elevated risks to flight crews and personnel on the ground. There are no existing pavements that are capable of meeting this requirement.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one 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 Karl Bosworth, (520) 228-3401. Cargo Pad: 7,442 SM = 80,076 SF; taxiway: 6,340 SM = 68,218 SF; Shoulders: 10,520 = 113,195 SF.</p>					

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTBAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE AIRFIELD OBSTRUCTION - HAZARDOUS CARGO PAD/TAXIWAY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 116-662	7. PROJECT NUMBER FBNV073001	8. PROJECT COST (\$000) 4,243
<p>JOINT USE CERTIFICATION: This facility can be used by other components on an as available basis; however, the scope of the project is based on Air Force requirements.</p>			

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3. INSTALLATION AND LOCATION DAVIS-MONTRAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE AIRFIELD OBSTRUCTION - HAZARDOUS CARGO PAD/TAXIWAY																											
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<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started</td> <td>05-APR-03</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>YES</td> </tr> <tr> <td>• (c) Percent Complete as of 01 JAN 2004</td> <td>15%</td> </tr> <tr> <td>• (d) Date 35% Designed</td> <td>01-ADO-03</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>01-SEP-04</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>No</td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications</td> <td>254</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>127</td> </tr> <tr> <td>(c) Total</td> <td>381</td> </tr> <tr> <td>(d) Contract</td> <td>339</td> </tr> <tr> <td>(e) In-house</td> <td>42</td> </tr> </table> <p>(4) Construction Contract Award 05 FEB</p> <p>(5) Construction Start 05 FEB</p> <p>(6) Construction Completion 05 NOV</p> <p>• Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>				(a) Date Design Started	05-APR-03	(b) Parametric Cost Estimates used to develop costs	YES	• (c) Percent Complete as of 01 JAN 2004	15%	• (d) Date 35% Designed	01-ADO-03	(e) Date Design Complete	01-SEP-04	(f) Energy Study/Life-Cycle analysis was/will be performed	No	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	254	(b) All Other Design Costs	127	(c) Total	381	(d) Contract	339	(e) In-house	42
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1. COMPONENT AIR FORCE		FY 2005 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE ARIZONA				4. COMMAND: AIR EDUCATION AND TRAINING COMMAND			5. AREA CONST COST INDEX 1.0				
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 03		879	5987	1551	75	59	0	2	25	0	8,578
END FY 2008		847	5580	1482	75	59	0	2	25	0	8,070
7. INVENTORY DATA (\$000)											
a. Total Acreage:											4,359
b. Inventory Total as of : (30 Sep 02)											1,504,125
c. Authorization Not Yet in Inventory:											32,533
d. Authorization Requested in this Program:											10,000
e. Authorization Included in the Following Program: (FY 2006)											13,000
f. Planned in Next Three Years Program:											44,415
g. Remaining Deficiency:											45,200
h. Grand Total:											1,649,273
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2005)											
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000		DESIGN START		STATUS C M P L	
721-312		Dormitory (120 RM)		120 RM		10,000		Design - Build			
						Total		10,000			
9a. Future Projects: Included in the Following Program: (FY2006)											
721-312		Dormitory (144 RM)		144 RM		13,000					
						Total		13,000			
9b. Future Projects: Typical Planned Next Three Years:											
721-312		Dormitory (96 RM)		96 RM		8,000					
131-111		Communications Operations Center		5,606 SM		15,540					
721-312		Dormitory (144 RM)		144 RM		13,000					
730-839		ATFP Litchfield Rd Underpass and ECP		1 LS		7,875					
						Total		44,415			
9c. Real Property Maintenance Backlog This Installation (\$M)											75
10. Mission or Major Functions: A flying training wing which conducts initial F-16 training and an Air Force Reserve fighter wing.											
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

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE																																																																																										
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		4. PROJECT TITLE DORMITORY (120 RM)																																																																																												
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<p>10. Description of Proposed Construction: Construct multi-story dormitory with reinforced concrete foundations/slabs, masonry walls and standing seam metal roof, complete with A/C system. Dormitory will be designed with laundry facilities and adequate storage. Dorm occupancy will be 30 for E-1s, 50 for E-2s, and 40 for E-3s. Project demolishes and abates lead-based paint of 810 SM.</p> <p>Air Conditioning: 225Tons Grade Mix: E1-E4 120</p>																																																																																														
<p>11. REQUIREMENT: 935 RM ADEQUATE: 730 RM SUBSTANDARD : ORM</p> <p>PROJECT: Construct Permanent Party Dormitory (Current Mission)</p> <p>REQUIREMENT: The Air Force relies on highly trained, motivated unaccompanied enlisted men and women to support our increasingly technical air and space missions. The retention of these highly trained airmen is essential to our readiness posture and continuing worldwide presence. Investments in the quality of life for our most valued resource, our people, helps foster an atmosphere of privacy and quality that plays a key role in force retention and readiness. Therefore, Air Force leadership places special emphasis on the quality of housing for our unaccompanied enlisted force. Requirement exists for a 120 PN (rooms) unaccompanied enlisted dormitory. Force protection measures will be incorporated IAW USAF Installation Force Protection Guide.</p> <p>CURRENT SITUATION: With a current deficit of 205 dormitory rooms, Luke AFB is unable to provide adequate housing for our unaccompanied enlisted personnel force. Many of the junior enlisted personnel who qualify for dormitory housing cannot live on-base due to this deficit. Living off-base causes a financial hardship on many of our young airmen due to the rising costs of off-base housing and personal transportation. In addition,</p>																																																																																														

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		4. PROJECT TITLE DORMITORY (120 RM)	
5. PROGRAM ELEMENT 85796	6. CATEGORY CODE 721-312	7. PROJECT NUMBER NUEX013013	8. PROJECT COST (\$000) 10,000
<p>the ability to house our personnel within the security of the base perimeter is essential during current force protection levels. This project is the second phase of a multi-phase dormitory program.</p> <p>IMPACT IF NOT PROVIDED: Retention, morale, and career satisfaction will continue to be adversely effected with the current state of Luke's dormitories. Unaccompanied enlisted personnel will be forced to live off-base and will most likely incur higher living expenses. The increased number of commuters would increase the potential of automobile accidents affecting our personnel as well as their response time to real-world emergencies.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in the new uniform barrack: construction standard known as "dorms-4-airmen" established by Air Force. Fire protection systems for this project meet new standards established in MIL-BNBK 1008B, Fire Protection Facilities. An economic analysis has been prepared comparing alternatives of direct compensation and new construction. Based on the present value of benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.</p> <p>Base Civil Engineer: Lt Col John P. Dewine, (623) 956-6135</p> <p>Permanent Party Dormitory: 3960 SM = 42,610 SF</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis, however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE								
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		4. PROJECT TITLE DORMITORY (120 RM)									
5. PROGRAM ELEMENT 85796	6. CATEGORY CODE 721-312	7. PROJECT NUMBER NUEX013013	8. PROJECT COST (\$000) 10,000								
<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 -</p> <p>(3) All Other Design Costs 200</p> <p>(4) Construction Contract Award 04 DEC</p> <p>(5) Construction Start 05 FEB</p> <p>(6) Construction Completion 06 JUN</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed YES</p> <p>b. Equipment associated with this project provided from other appropriations:</p> <table border="0"> <thead> <tr> <th>EQUIPMENT NOMENCLATURE</th> <th>PROCURING APPRO</th> <th>FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>DORM FURNISHINGS</td> <td>3400</td> <td>2005</td> <td>931</td> </tr> </tbody> </table>				EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	DORM FURNISHINGS	3400	2005	931
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1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE SECURITY FORCE TRAINING EXPANSION		
5. PROGRAM ELEMENT 85796	6. CATEGORY CODE 171-623	7. PROJECT NUMBER MPLS023725	8. PROJECT COST (\$000) 2,596	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT	COST
SECURITY FORCE TRAINING EXPANSION				1,968
TRAINING LAB	SM	1,500	1,220	(1,830
ANTITERRORISM/FORCE PROTECTION	SM	1,500	92	(138
SUPPORTING FACILITIES				370
UTILITIES/EMCS/COMM SUPPORT	LS			(140)
PAVEMENTS	LS			(80)
SPECIAL FOUNDATION	LS			(75)
SITE IMPROVEMENTS	LS			(75)
SUBTOTAL				2,338
CONTINGENCY (5.0 %)				117
TOTAL CONTRACT COST				2,455
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				140
TOTAL REQUEST				2,595
TOTAL REQUEST (ROUNDED)				2,596
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(150)
10. Description of Proposed Construction: Constructs a PART lab consisting of a concrete foundation, structural steel frame, masonry walls, and a standing seam metal roof. Includes high ceiling open area, conditioned space, restrooms, storage and necessary support. Antiterrorism force protection measures will comply with minimum DoD Force Protection Construction Standards. Air Conditioning: 200Tons				
11. REQUIREMENT: 1,872 SM ADEQUATE: 372 SM SUBSTANDARD: 0 SM <u>PROJECT:</u> Construct a Physical Apprehension & Restraint Training (PART) laboratory. (Current Mission) <u>REQUIREMENT:</u> A Physical Apprehension & Restraint Training (PART) laboratory is required to support the increased training requirement for the Security Forces Apprentice course and Basic Officer course. <u>CURRENT SITUATION:</u> Currently, the Security Forces Apprentice course is operating at Lackland AFB . A Security Forces training area is required to conduct realistic Force Protection training. The construction of this new PART lab allows for the development and instruction of apprehension and restraint skills in direct support of their Police Services mission. The current lab is undersized to handle the increased student load associated with the expansion of this SF training. Existing space will be used to house PART instructors and other SF requirements. In the FY04 Program Guidance Letter, the USAF directed increased security forces pipeline production to total 5,440 graduates. Before the events of Sep 11 , there was a plan that included a phased training schedule that would increase training days from 51-days to 81-days . The Sep 11 events increased awareness of the need for adequate security and identified a need to expedite the plan on a wartime footing.				

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE SECURITY FORCE TRAINING EXPANSION	
5. PROGRAM ELEMENT 85796	6. CATEGORY CODE 171-623	7. PROJECT NUMBER MPLS023725	8. PROJECT COST (\$000) 2,596
<p><u>IMPACT IF NOT PROVIDED:</u> SF training expansion cannot be accomplished at the required reduction level. Students will not receive expanded training or the number of students reduced limiting the number of SF personnel available. SF is already a stressed career field. The inability to provide the PART lab will impact security forces pipeline reduction and the Air Force's ability to provide combat ready forces who are fully trained in dealing with either homeland base defense operation or forwardly deployed in a hostile urban environment.</p> <p><u>ADDITIONAL:</u> This project meets the scope/criteria specified in AF Handbook 32-1084, 'Facility Requirements.*' The PART will meet Security Forces design requirement. A preliminary analysis of reasonable options satisfying the requirement indicates that only one option will meet the mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. Equipment from other appropriation includes training and safety equipment used in this training activity. Physical Apprehension & Restraint Training (PART) Lab: 1500 SM = 16,140 SF Base Civil Engineer: Lt Col Spencer Patterson, DSN 473-2977</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an as available basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE								
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS			4. PROJECT TITLE SECURITY FORCE TRAINING EXPANSION									
5. PROGRAM ELEMENT 85796	6. CATEGORY CODE 171-623	7. PROJECT NUMBER MPLS023725	8. PROJECT COST (\$000) 2,596									
<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 -</p> <p>(3) All Other Design Costs 63</p> <p>(4) Construction Contract Award 04 DEC</p> <p>(5) Construction Start 05 JAN</p> <p>(6) Construction Completion 06 MAR</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed YES</p> <p>b. Equipment associated with this project provided from other appropriations:</p> <table border="0" data-bbox="272 957 1354 1074"> <thead> <tr> <th data-bbox="272 1000 574 1025">EQUIPMENT NOMENCLATURE</th> <th data-bbox="718 974 921 1000">PROCURING APPRO</th> <th data-bbox="964 957 1129 1025">FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th data-bbox="1273 974 1354 1025">COST (\$000)</th> </tr> </thead> <tbody> <tr> <td data-bbox="272 1044 398 1070">PART AIDS</td> <td data-bbox="794 1044 849 1070">3400</td> <td data-bbox="1025 1044 1080 1070">2005</td> <td data-bbox="1301 1044 1343 1070">150</td> </tr> </tbody> </table>					EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	PART AIDS	3400	2005	150
EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)									
PART AIDS	3400	2005	150									

1. COMPONENT AIR FORCE		FY 2005 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE ARKANSAS			4. COMMAND: AIR EDUCATION AND TRAINING COMMAND			5. AREA CONST COST INDEX 0.87				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	AS OF 30 SEP 03	896	5526	1080	0	39	0	131	808	
END FY 2008	883	5552	977	0	39	0	131	808	114	8,504
7. INVENTORY DATA (\$000)										
a. Total Acreage:										6,898
b. Inventory Total as of : (30 Sep 03)										1,211,413
c. Authorization Not Yet in Inventory:										47,378
d. Authorization Requested in this Program:										5,031
e. Authorization Included in the Following Program: (FY 2006)										3,650
f. Planned in Next Three Years Program:										9,126
g. Remaining Deficiency:										35,450
h. Grand Total:										1,312,048
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2005)										
CATEGORY										
CODE	PROJECT TITLE	SCOPE	\$,000	START	STATUS					
171-212	C-I 30J ADAL Simulator Facility	1,920 SM	5,031	Apr 03	Sep 04					
Total			5,031							
9a. Future Projects: Included in the Following Program: (FY2006)										
737-884	Child Development Center	1,644 SM	3,650							
Total			3,650							
10b. Future Projects: Typical Planned Next Three Years:										
1022-351	Airman Dining Facility	1,805 SM	6,510							
1010-243	Group Headquarters	1,245 SM	2,616							
Total			9,126							
10c. Real Property Maintenance Backlog This Installation (\$M)										73
0. Mission or Major Functions: An Airlift wing with five C-I 30 squadrons conducting operations and training the only DoD C-I 30 training base; an Air Mobility Command airlift group with C-I 30 aircraft; an ANG C-I 30 airlift wing; and an AFRC aerial port squadron.										
1. Outstanding pollution and Safety (OSHA) Deficiencies:										
a. Air pollution										50
b. Water Pollution										130
c. Occupational Safety and Health										0
d. Other Environmental										766

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS		4. PROJECT TITLE C-130J ADD/ALTER SIMULATOR FACILITY		
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 171-212	7. PROJECT NUMBER NKAK043007	8. PROJECT COST (\$000) 5,031	
9. COST ESTIMATES				
ITEM	I/M	QUANTITY	UNIT	COST
C-130J ADD/ALTER FLIGHT SIMULATOR FACILITY				4,174
ADDITION FLIGHT SIMULATOR FACILITY	SM	1,870	2,195	(4.1051)
ALTER FLIGHT SIMULATOR FACILITY	SM	50	885	(441)
ANTITERRORISM FORCE PROTECTION	SM	1,920	13	(25)
SUPPORTING FACILITIES				360
UTILITIES	LS			(200)
PAVEMENTS	LS			(70)
SITE IMPROVEMENTS	LS			(30)
FOOTBALL FIELD RELOCATION	LS			(60)
SUBTOTAL				4,534
CONTINGENCY (5.0 %)				227
TOTAL CONTRACT COST				4,761
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				271
TOTAL REQUEST				5,032
TOTAL REQUEST (ROUNDED)				5,031
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(35,150-o)
10. Description of Proposed Construction: ADAL existing high-bay facility. Construction consists of reinforced concrete substructure, exterior walls, structural steel frame, and standing seam metal roof. Includes tow weapons system trainer, part task trainers, cockpit simulators, briefing rooms, classrooms, parts storage, maint shop, computer room, offices and all necessary support. Relocation of football field is due to required siting. Air Conditionina: 352Tons				
11. REQUIREMENT: 5,734 SM ADEQUATE: 0 SM SUBSTANDARD: 3,864 SM PROJECT: Add and alter existing C-130J flight simulator facility (New Mission). <u>REQUIREMENT:</u> ADAL existing facility to provide a controlled environment to house two additional cockpit simulator training assemblies, part task trainer, associated Equipment, classrooms and administration space for assigned personnel. Antiterrorism force protection measures will comply with minimum DoD Force Protection Construction Standards. <u>CURRENT SITUATION:</u> The 314 Airlift Wing (AW) at Little Rock AFB is the host for C-130J training programs. Two additional full motion cockpit simulators, which will support initial qualification and continuation training, are required to support this mission. Existing facility is not large enough to house the additional simulators. <u>IMPACT IF NOT PROVIDED:</u> Little Rock AFB's ability to provide aircrew training will be seriously degraded. The lack of additional simulators will increase training costs and require the use of aircraft which would otherwise be assigned to other critical training missions. Without this addition/alteration and these simulators, the wing's capability to perform its tactical airlift training mission will be seriously degraded, thereby				

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS		4. PROJECT TITLE C-130J ADD/ALTER SIMULATOR FACILITY	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 171-212	7. PROJECT NUMBER NEAR043007	8. PROJECT COST (\$000) 5,031
<p>directly hindering DoD C-130J aircrew production.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1004, "Facility Requirements". A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Robert E. Moriarty, (501) 987-3322. C-130J Add/Alter Simulator Facility: Addition: 1,070 SM = 20,129 SF; Alteration: 50 SM = 530 SF.</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.</p>			

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE , ARKANSAS		4. PROJECT TITLE C-130J ADD/ALTER SIMULATOR FACILITY	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 171-212	7. PROJECT NUMBER NKAK043007	8. PROJECT COST (\$000) 5,031
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		01-APR-03	
(b) Parametric Cost Estimates used to develop costs		YES	
• (c) Percent Complete as of 01 JAN 2004		15%	
• (d) Date 35% Designed		01-SEP-03	
(e) Date Design Complete		01-SEP-04	
(f) 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 -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications		302	
(b) All Other Design Costs		151	
(c) Total		453	
(d) Contract		403	
(e) In-house		50	
(4) Construction Contract Award		04 DEC	
(5) Construction Start		05 FEB	
(6) Construction Completion		06 FEB	
• Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
	PROCURING	FISCAL YEAR	COST
EQUIPMENT NOMENCLATURE	APPROPRIATION	APPROPRIATED OR REQUESTED	(\$000)
FURNISHINGS	3400	2005	150
C-130J WEAPON SYSTEM TRAINER	3010	2005	23,000
AMP WEAPON SYSTEM TRAINER	3010	2007	12,000

1. COMPONENT AIR FORCE		FY 2005 MILITARY CONSTRUCTION PROGRAM					2. DATE					
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA			4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 1.26						
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL	
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
AS OF 30 SEP 03		491	39021	1153	3	58	0	2	21	43	5,673	
END FY 2008		585	37621	1061	3	58	0	2	21	43	5,53	
7. INVENTORY DATA (\$000)												
a. Total Acreage:											23,026	
b. Inventory Total as of : (30 Sep 03)											1,682,60	
c. Authorization Not Yet in Inventory:											42,39	
d. Authorization Requested in this Program:											10,18	
e. Authorization Included in the Following Program: (FY 2006)											9,90	
f. Planned in Next Three Years Program:											14,50	
g. Remaining Deficiency:											123,50	
h. Grand Total:											1,883,07	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2005)												
CATEGORY								COST DESIGN STATUS				
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>			<u>\$,000</u>	<u>START</u>	<u>CMPL</u>			
218-712	Global Hawk Add to AGE Facility			376 SM			1,866	Design-Build				
211-179	Global Hawk Upgrade Dock 2			2,792 SM			8,320	Apr-04	Sep-0.			
Total							10,186					
9a. Future Projects: Included in the Following Program: (FY2006)												
740-884	Child Development Center			3,434 SM			9,900					
Total							9,900					
9b. Future Projects: Typical Planned Next Three Years:												
211-152	Repair Aircraft Maintenance Unit			20,500 SM			10,000					
211-111	Upgrade Maintenance Dock 4			1,369 SM			4,500					
Total							14,500					
9c. Real Property Maintenance Backlog This Installation (\$M):											47	
10. Mission or Major Functions: A reconnaissance wing which includes two U-2 reconnaissance squadrons, one of which is responsible for training all U-2 aircrews; a Contingency Airborne Reconnaissance System (CARS); an Air Fore Space Command missile warning squadron which operates one of the Phased Array Warning System (PAVE PAWS) radars; and an Air Force Reserve wing with KC-135 aircraft. Base will be first beddown location for Global Hawk UAV.												
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	

1. COMPONENT AIR FORCE		FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE		
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA				4. PROJECT TITLE GLOBAL HAWK UPGRADE DOCK 2			
5. PROGRAM ELEMENT 35220		6. CATEGORY CODE 211-173	7. PROJECT NUMBER BAEY051004		8. PROJECT COST (\$000) 8,320		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT	COST
GLOBAL HAWK UPGRADE DOCK 2							5,686
HANGAR RENOVATION				SM	2,420	1,719	(4,161)
ADDITION TO DOCK 2				SM	372	4,035	(1,501)
ANTITERRORISM FORCE PROTECTION				I SM	2,420	10	(24)
SUPPORTING FACILITIES				I	I		1,807
UTILITIES				LS			(576)
SITE IMPROVEMENTS				LS			(297)
PAVEMENTS				LS			(384)
COMMUNICATION SUPPORT				LS			(114)
ASBESTOS/LEAD PAINT ABATEMENT				LS			(436)
SUBTOTAL							7,493
CONTINGENCY (5.0 %)							375
TOTAL CONTRACT COST							7,868
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)							440
TOTAL REQUEST							8,316
TOTAL REQUEST (ROUNDED)							8,320
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)							(50.0)
10. Description of Proposed Construction: Install high-expansion foam fire suppression system, replace electrical distribution/lighting systems with explosion-proof equipment, replace HVAC system, replace roof and siding, abate asbestos and lead paint, landscaping, site improvements, fence, and access road. Includes transition rooms and admin space addition for Docks 2 & 3 with integrated roof. Use minimum DoD force protection standards.							
11. REQUIREMENT: 14,376 SM ADEQUATE: 11,504 SM SUBSTANDARD: 0 SM PROJECT: Upgrade dock 2 for Global Hawk beddown . (New Mission) REQUIREMENT: Global Hawk maintenance personnel require covered hangar space in which to perform phased maintenance on aircraft. Dock 2 has been identified by the Global Hawk Site Activation Task Force as meeting part of this requirement. CURRENT SITUATION: Dock 2 was constructed in 1958 and lacks a foam fire suppression system required to extinguish aircraft fires. The roof panels leak and have deteriorating insulation. The electrical system is in disrepair and requires complete removal and replacement with an explosion-proof system. The outdoor switchgear is deteriorated and is no longer weather-proof. The HVAC system is antiquated and requires replacement. The hangar doors require repairs to the rolling system and locks. The hangar currently has insufficient lighting. Abatement is required for asbestos and lead. IMPACT IF NOT PROVIDED: Global Hawk would have insufficient space to conduct phased maintenance on its aircraft. This would severely impact the Global Hawk mission. ADDITIONAL:							

L. COUPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
1. INSTALLATION AND LOCATION MCAS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE GLOBAL HAWK UPGRADE DOCK 2	
5. PROGRAM ELEMENT 35220	6. CATEGORY CODE 211-173	7. PROJECT NUMBER BAEY051004	8. PROJECT COST (\$000) 8,320
<p>The project meets the criteria/scope specified in Air Force Handbook 32-084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Gregory Erkinson, (530) 634-2942. (Addition to Dock 2: 372 SM = 4,002 SF; Hangar Renovation: 420 SM = 26,039 SF).</p> <p><u>JOINT USE CERTIFICATION:</u> Mission requirements, operational considerations, and location are incompatible with use by other components.</p>			

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION 3EAL AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE GLOBAL HAWK UPGRADE DOCK 2	
5. PROGRAM ELEMENT 35220	6. CATEGORY CODE 211-173	7. PROJECT NUMBER BABY051004	8. PROJECT COST (\$000) 8,320
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) status:			
(a) Date Design Started			02-APR-03
(b) Parametric Cost Estimates used to develop costs			YES
• (c) Percent Complete a6 of 01 JAW 2004			15%
• (d) Date 35% Designed			15-AUG-03
(e) Date Design Complete			01-SEP-04
(f) 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 -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plan6 and Specification6			500
(b) All Other Design Costs			250
(c) Total			750
(d) Contract			667
(e) In-house			83
(4) Construction Contract Award			05 JAN
(5) Construction Start			05 FEB
(6) Construction Completion			06 JUL
* Indicate6 completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope , cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMM CONNECTIONS AND EQUIP	3400	2005	50

1. COMPONENT AIR FORCE	PY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE GLOBAL HAWK ADD TO AGE FACILITY		
5. PROGRAM ELEMENT 35110	6. CATEGORY CODE 218-712	7. PROJECT NUMBER BAEY061004	8. PROJECT COST (\$000) 1,866	
9. COST ESTIMATES				
ITEM	U		UNIT /M QUANTITY	COST
GLOBAL HAWK ADD TO AGE FACILITY				1,235
ADDITION	SM	376	3,250	(1,222)
ANTITERRORISM/FORCE PROTECTION	SM	376	35	(13)
SUPPORTING FACILITIES				442
UTILITIES	LS			(197)
PAVEMENTS	LS			(122)
SITE IMPROVEMENTS	LS			(123)
SUBTOTAL				1,677
CONTINGENCY (5.0 %)				84
TOTAL CONTRACT COST				1,761
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				100
TOTAL REQUEST				1,861
TOTAL REQUEST (ROUNDED)				1,866
L0. Description of Proposed Construction: Construct an addition to the existing AGE facility, B/1225, to include open shop space with chemical-resistant flooring, lead and asbestos abatement, and mechanical upgrade to existing facility. Exterior work will include exterior lighting upgrades , paving, landscaping, and other necessary site improvements. Include DoD force protection standards .				
11. REQUIREMENT: 3,572 SM ADEQUATE: 3,196 SM SUBSTANDARD : 0 SM PROJECT: Add to Global Hawk aircraft generation equipment (AGE) facility. (New Mission) REQUIREMENT: The Global Hawk mission beddown will begin with 700 military personnel and right aircraft arriving by FY05. The new mission will require 650 piece of aircraft generation equipment, requiring an additional 376 square meter of floor space for storage and maintenance. CURRENT SITUATION: The current AGE building is fully utilized with existing AGE. New Global Hawk AGE will be colocated with existing equipment. There is not enough existing space to support an increase in AGE and personnel. IMPACT IF NOT PROVIDED: Failure to provide this project will force crowding of equipment and personnel in the AGE facility. The resulting degradation of flightline service will cause disorder in aircraft generation for the new Global Hawk as well as existing base operations . ADDITIONAL: 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, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Gregory Perkinson, 530-634-2942 . Addition: 376 SM = 4,046 SF. JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location				

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE GLOBAL HAWK ADD TO AGE FACILITY	
5. PROGRAM ELEMENT 35110	6. CATEGORY CODE 218-712	7. PROJECT NUMBER BAEY061004	8. PROJECT COST (\$000) 1,866

are incompatible with **use** by other components.

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE GLOBAL HAWK ADD TO AGE FACILITY	
5. PROGRAM ELEMENT 35110	6. CATEGORY CODE 218-712	7. PROJECT NUMBER BAEY061004	8. PROJECT COST (\$000) 1,866
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedure6</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used -</p> <p>(3) All Other Design Costs 46</p> <p>(4) Construction Contract Award 05 JAN</p> <p>(5) Construction Start 05 FEB</p> <p>(6) Construction Completion 06 JAN</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed YES</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>			

1. COMPONENT AIR FORCE		FY 2005 MILITARY CONSTRUCTION PROGRAM					2. DATE			
INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE CALIFORNIA			COMMAND: AIR FORCE MATERIEL COMMAND:			5. AREA CONST COST INDEX 1.29				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 03	818	2477	5129				29	20	112	8,585
END FY 2008	786	2333	5141				29	20	112	8,421
7. INVENTORY DATA (\$000)										
Total Acreage:		300,723								
Inventory Total as of : (30 Sep 03)					3,571,891					
Authorization Not Yet in Inventory:					58,590					
Authorization Requested in this Program:					9,965					
Authorization Included in the Following Program:		(FY 2006)			51,000					
Planned in Next Three Years Program:					121,500					
Remaining Deficiency:					108,300					
Grand Total:					3,921,246					
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2005)										
CATEGORY					COST		DESIGN		STATUS	
CODE	PROJECT TITLE	SCOPE	\$,000	START	C M P L					
311-115	Addition/Renovate Joint Strike Fighter Complex, Ph 2	7,993 SM	9,965	Design	Build					
		Total	9,965							
3a. Future Projects: Included in the Following Program: (FY2006)										
111-111	Main Base Runway, Ph 1	65 HE	37,000							
742-674	Fitness Center	5,051 SM	14,000							
		Total	51,000							
3b. Future Projects: Typical Planned Next Three Years:										
111-111	Main Base Runway, Ph 2	65 HE	36,000							
111-111	Main Base Runway, Ph 3	65 HE	30,000							
131-111	Replace Information Tech Operations Center	3,250 SM	18,500							
311-171	Replace Engineering Technical Facility	5,888 SM	18,500							
319-442	West Base Engineering Facility	8,400 SM	10,200							
422-258	Upgrade Munitions Complex	2,168 SM	8,300							
		Total	121,500							
9c. Real Property Maintenance Backlog This Installation (\$M)										183
10. Mission or Major Functions: Air Force Flight Test Center which is responsible for flight test activities for all USAF aircraft and related avionics, flight control, and weapons systems; a test wing; an air base wing; Air Force Test Pilot School; the Propulsion Directorate of the Air Force Research Laboratory; a space surveillance squadron; and a landing site for the space shuttle.										
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								

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE ADDITION/RENOVATE JSF COMPLEX, PHASE II	
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 311-114	7. PROJECT NUMBER FSEPM053501	8. PROJECT COST (\$000) 9,965
9. COST ESTIMATES			
ITEM	I/M	QUANTITY	UNIT COST
ADDITION/RENOVATE JSF COMPLEX, PHASE II			8,838
ALTER BUILDING 1810	SM	5,019	1,014 (5,089)
ADD TO BUILDING 1810	SM	1,859	1,800 (3,346)
ALTER BUILDING 1808	SM	1,115	289 (322)
ANTITERRORISM FORCE PROTECTION	SM	7,993	10 (80)
SUPPORTING FACILITIES			149
DEMOLITION	SM	743	200 (149)
SUBTOTAL			8,986
CONTINGENCY (5.0 %)			449
TOTAL CONTRACT COST			9,436
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)			538
TOTAL REQUEST			9,973
TOTAL REQUEST (ROUNDED)			9,965
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)			(1,100)
10. Description of Proposed Construction: Building 1810: Upgrade utilities, lighting, and security systems, repair exterior panels, roof, and hangar door. New two-story addition with concrete foundation and slab, metal frame structure, masonry walls, and sloping metal roof. Building 1808: Upgrade HVAC and security system. Demolish one facility totaling 743 SM. Comply with DoD force protection requirements per Unified Facilities Criteria. Air Conditioning: 263Tons			
11. REQUIREMENT: 258,505 SM ADEQUATE: 25 SM SUBSTANDARD: 254,761 SM PROJECT: Addition/Renovate Joint Strike Fighter (JSF) Complex, Phase II. (New Mission) REQUIREMENT: The JSF program requires adequately configured facilities capable of supporting the Operational Test of the JSF aircraft. To support system development demonstration (SDD) efforts, the facilities must have modern infrastructure capable of supporting large numbers of personnel and aircraft. The facilities must meet JSF program security requirements. To avoid disruption of the program, the MILCON must be completed approximately 6 months prior to the arrival of the first aircraft in Apr 07 to allow installation and calibration of aircraft support equipment. No other facilities are available to support this effort. Hangar space is required for 5 OT aircraft, with the remaining aircraft parked outside. Each aircraft will require space for test operations and equipment. CURRENT SITUATION: The current primary facility (bldg 1810) is improperly configured to support the SDD phase of the JSF program. The existing fire protection system, lighting systems, electrical distribution systems and security systems are inadequate to support the program. The existing lighting system does not adequately illuminate work areas, resulting in unsafe working conditions. The existing electrical system is unsafe,			

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA			4. PROJECT TITLE ADDITION/RENOVATE JSF COMPLEX, PHASE II	
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 311-114	7. PROJECT NUMBER FSPM053501	8. PROJECT COST (\$000) 9.965	
<p>resulting in risk of electrical shock, and does not meet current electrical codes. The existing water piping is nearly 50 years old, and due to extensive interior rusting, the pipes cannot be easily repaired. Up to several hundred feet of pipe must be removed to find pipe with sufficient wall thickness to allow a new fitting or patch to be applied. Water line breaks require the entire water system to be shut down for a minimum of two days, and result in the dislocation of JSF personnel. There have been five major potable water line breaks in the 1810 compound within the past 3 years. Each break required 8 - 10 hours to secure, and delayed aircraft taxiing, with the most recent break costing \$210K to repair. The cooling system has parts being pillaged to repair other adjacent units; replacement parts are not readily available due to the age of the system. The facility does not meet current fire and seismic codes, and does not provide the level of security required by the JSF program. The facility does not have adequate secure space for processing and storage of TS/SAR level data, and does not have adequate areas for discussing classified information. The facility does not have adequate spaces for pre and post flight briefings, flight planning, aircraft operation scheduling, and storage of parts and equipment to support aircraft operations. The HVAC and security systems in the second facility (bldg 1808) require upgrades.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The JSF SDD/OT program will be implemented out of a "forced use", 1950s vintage structure. Failure to upgrade this facility will impact testing of our nation's next generation aircraft's development, resulting in milestones not met, higher cost to contractors overhead, daily operation and increasing taxpayer's burdens. Significant costs and schedule delays will be incurred if the government cannot provide the facility required by this diverse Joint Test Force (JTF). The Air Force Flight Test Center's mission to operate as a world class facility will be impeded by a substandard working environment.</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 and status quo operation. Based on the net values and benefits of the respective alternative renovation was found to be the most cost efficient over the life of the project. Base Civil Engineer: Mr James Judkins, (805) 277-2910. Alter B1810: 5,019SM = 54,004SF; Add to B1810: 1,859SM = 20,000SF; Alter B1808: 1,115 SM = 11,997 SF. Design Build - Design Cost (4% of Subtotal Cost): \$370,000.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

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5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 311-114	7. PROJECT NUMBER FSPM053501	8. PROJECT COST (\$000) 9,965								
<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 -</p> <p>(3) All Other Design Costs 270</p> <p>(4) Construction Contract Award 04 DEC</p> <p>(5) Construction Start 05 JAN</p> <p>(6) Construction Completion 06 JUN</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed YES</p> <p>b. Equipment associated with this project provided from other appropriations:</p> <table border="0" data-bbox="280 1000 1346 1117"> <thead> <tr> <th data-bbox="280 1042 578 1074">EQUIPMENT NOMENCLATURE</th> <th data-bbox="718 1010 925 1042">PROCURING APPRO</th> <th data-bbox="966 1000 1131 1074">FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th data-bbox="1272 1010 1346 1074">COST (\$000)</th> </tr> </thead> <tbody> <tr> <td data-bbox="280 1085 413 1117">EQUIPMENT</td> <td data-bbox="792 1085 850 1117">3600</td> <td data-bbox="1015 1085 1082 1117">2006</td> <td data-bbox="1272 1085 1346 1117">1,100</td> </tr> </tbody> </table>				EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	EQUIPMENT	3600	2006	1,100
EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)								
EQUIPMENT	3600	2006	1,100								

1. COMPONENT AIR FORCE		FY 2005 MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE CALIFORNIA			4. COMMAND: AIR MOBILITY COMMAND			5. AREA CONST COST INDEX 1.24				
6. Personnel Strength AS OF 30 SEP 03 END FY 2008	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	1786	8955	2369	0	0	0	72	698	1158	
	1804	8900	2317	0	0	0	72	698	1158	14,949
7. INVENTORY DATA (\$000)										
Total Acreage: 6383										
Inventory Total as of : (30 Sep 03)										3,060,808
Authorization Not Yet in Inventory:										170,167
Authorization Requested in this Program:										15,244
Authorization Included in the Following Program: (FY 2006)										0
Planned in Next Three Years Program:										55,884
Remaining Deficiency:										279,500
Grand Total:										3,581,603
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2005)										
CATEGORY						COST DESIGN STATUS				
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>				<u>\$,000</u>	<u>START</u>	<u>CMPL</u>		
851-147	C-I 7 Utilities/Roads	1 LS				12,844	Mar 03	Sep 04		
211-157	C-I 7 Add Engine Storage Facility	929 SM				2,400	Jan 04	Aug 04		
					TOTAL	15,244				
9a. Future Projects: Included in the Following Program: (FY2006)										
None										
9b. Future Projects: Typical Planned Next Three Years:										
141-753	AMOG Deployment Center	9,015 SM				15,000				
112-211	Repair Electrical & Runway 03R/21L	1 EA				27,298				
171-476	SF Armory/Combat Arms Campus	1,684 SM				3,486				
721-312	Dormitory (96 RM)	96 RM				10,100				
					TOTAL	55,884				
9c. Real Property Maintenance Backlog This Installation (\$M)										170
10. Mission or Major Functions: HQ 15th Air Force; an air mobility wing with two C-5 squadrons and two KC-10 air refueling squadrons; an AFRC Associate air mobility wing; and David Grant Medical Center.										
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

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE C-17 UTILITIES/ROAD/LAND ACQUISITION		
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 851-147	7. PROJECT NUMBER XDAT043012	8. PROJECT COST (\$000) 12,844	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT	COST
:-17 UTILITIES/ROADS				
SOUTH GATE ROADWORK	LS			11,153
SOUTH GATE UTILITIES	LS			(525)
SOUTH GATE FENCING	LM	420	176	(74)
SOUTH GATE GUARDHOUSE/OVERWATCH	EA	5	16,000	(80
SOUTH GATE GATEHOUSE	SM	38	2,130	(81
SOUTH GATE LIGHTING	LS			(403
SOUTH GATE CANOPY	SM	335	1,080	(362
SOUTH GATE VEHICLE ARRESTING SYSTEM	LS			(350
SOUTH GATE SECURITY CAMERAS	LS			(95
SOUTH GATE LANDSCAPING	LS			(350
SOUTH GATE FIELD OFFICE	SM	45	2,250	(101
SOUTH GATE COMMUNICATIONS	LS			(62
SOUTH GATE POST MOUNTED MIRRORS	EA	6	667	(4
SOUTH GATE UTILITIES/DRAINAGE	LS			(350
ELECTRICAL	LM	2,327	757	(1,762)
WATER	LM	7,312	141	(1,031)
SEWER	LS			(595)
NATURALGAS	LM	2,348	164	(385)
COMMUNICATIONS	LM	4,916	321	(1,578)
PAVEMENTS	SM	54,900	40	(2,635)
SUPPORTING FACILITIES				388
DEMOLITION	LS			(60)
LAND ACQUISITION (12.5 ACRES)	AC	13	25,200	(328)
SUBTOTAL				11,540
CONTINGENCY (5.0 %)				577
TOTAL CONTRACT COST				12,117
SUPERVISION, INSPECTION AND OVERHEAD (6.0 %)				727
TOTAL REQUEST				12,844
TOTAL REQUEST (ROUNDED)				12,844
.0. Description of Proposed Construction: Construct gate and utilities at beddown area including approximately 12.5 acres land acquisition, and all other necessary support.				
.1. REQUIREMENT: LS ADEQUATE: 0 LS SUBSTANDARD: LS				
PROJECT: C-17 utilities and roads. (New Mission)				
REQUIREMENT: Adequate roadways and traffic control to permit safe and efficient traffic				

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5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 851-147	7. PROJECT NUMBER WAT043012	8. PROJECT COST (\$000) 12,044	
<p>'low through the base to support the increased traffic flow of heavy construction equipment associated with the C-17 beddown. Adequate roadways include curbing, storm drainage and roadway lighting. Adequate utilities (electrical, gas, and water distribution lines). Includes communications support, demo of pipes and pavement with site improvements. Includes an upgraded sub-station and utilities to beddown C-17 facilities. Construct a gate at the beddown area to include approximately 12.5 acres of and acquisition.</p> <p><u>CURRENT SITUATION:</u> The C-17 beddown construction will construct or renovate several facilities and demolish some existing and substandard facilities and pavements. The existing roadway will need to be relocated to accommodate this construction. In addition, curbs, adequate lighting, and proper drainage need to be included. The electrical, water and gas lines run under current roadway and will need to be relocated. Repairs to utilities are necessary to complete the C-17 beddown.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Existing roadways are in location of site of new construction and must be relocated. Required traffic flow and vehicle accessibility will be impaired or not available to support C-17 mission requirements. Additionally, new facilities and improvements will be without adequate infrastructure to support the new C-17 requirements. Utilities will need to be relocated/upgraded in support of the beddown site. If new gate is not constructed, delays at construction site in receiving materials required for construction will occur, resulting in the extension of construction timelines which could affect aircraft delivery schedule.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1884 "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, Leasing) was done. It indicates there is only one 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 Patrick J Smith, (707) 124-2492.</p> <p><u>JOINT USE CERTIFICATION:</u> This is an installation utility/infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project.</p>				

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR MRCE BASE, CALIFORNIA		4. PROJECT TITLE C-17 UTILITIES/ROAD/LAND ACQUISITION	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 851-147	7. PROJECT NUMBER XDAT043012	8. PROJECT COST (\$000) 12,844
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAR-03
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2004			15%
* (d) Date 35% Designed			15-SEP-03
(e) Date Design Complete			30-SEP-04
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			771
(b) All Other Design Costs			385
(c) Total			1,156
(d) Contract			963
(e) In-house			193
(4) Construction Contract Award			04 DEC
(5) Construction Start			05 JAN
(6) Construction Completion			06 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA			4. PROJECT TITLE C-17 ADD ENGINE STORAGE FACILITY		
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 211-157	7. PROJECT NUMBER XDAT043013	8. PROJECT COST (\$000) 2,400		
9. COST ESTIMATES					
ITEM		I/M	QUANTITY	UNIT	COST
C-17 ADD AIRCRAFT ENGINE STORAGE FACILITY					1,869
ADD AIRCRAFT ENGINE STORAGE FACILITY		SM	929	2,000	(1,858)
AF/FP		LS			(11)
SUPPORTING FACILITIES					302
UTILITIES		LS			(126)
SITE IMPROVEMENTS		LS			(37)
COMMUNICATIONS SUPPORT		LS			(25)
SITE PREPARATION		LS			(114)
SUBTOTAL					2,171
CONTINGENCY (5.0 %)					109
TOTAL CONTRACT COST					2,280
SUPERVISION, INSPECTION AND OVERHEAD (6.0 %)					137
TOTAL REQUEST					2,417
TOTAL REQUEST (ROUNDED)					2,400
10. Description of Proposed Construction: Add engine storage facility adjacent to aircraft parts store. Project includes reinforced concrete foundation and floor slab, metal walls, standing seam metal protective roofing system, and exterior wall insulation system. Also provides office area for inspection personnel, all utilities/HVAC, and fire suppression system.					
11. REQUIREMENT: 0 LS ADEQUATE: 0 LS SUBSTANDARD: 0 LS					
PROJECT: Add C-17 Engine Storage Facility (New Mission)					
REQUIREMENT: An adequately configured and usable facility for centralized storage of C-17 aircraft engines for aircraft maintenance operations. Space is required to store 6-8 ready for installation (RFI) engines. Construction is required to support the beddown of a C-17 squadron.					
CURRENT SITUATION: There is no facility currently available for aircraft engine storage. Space is required to store 6-8 ready for installation C-17 engines.					
IMPACT IF NOT PROVIDED: Inability to store and protect aircraft engines ultimately impacting mission requirements of the C-17 aircraft. Outdoor storage will result in engine degradation due to weathering. Also, the potential for debris to enter the engine would be high if stored outside, resulting in a maintenance burden to continually monitor for debris and clean the engines, as well as it presents a potentially dangerous situation if debris is not removed from an engine prior to installation.					
ADDITIONAL: 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, renovation, upgrade/removal, new construction, leasing) was done. It indicates there is only one option that will meet operational requirements. Because of this an economic analysis was not accomplished, a certificate of exception will be prepared. BCE: Lt Col Patrick J Smith, (707) 424-2492. Add C-17					

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3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA			4. PROJECT TITLE C-17 ADD ENGINE STORAGE FACILITY	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 211-157	7. PROJECT NUMBER XDAT043013	8. PROJECT COST (\$000) 2,400	

situation if debris is not removed from an engine prior to installation.

ADDITIONAL: This project meets the criteria/scope specified in Air Force handbook 32-1,084 "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates there is only one option that will meet operational requirements. Because of this an *economic* analysis was not accomplished, a certificate of exception will be prepared. BCE: Lt Col Patrick J Smith, (707) 424-2492. Add C-17 Engine Storage Facility: 929 SM = 9,996 SF. Design Build - design cost (3% of subtotal cost): \$65,000.

JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.

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5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 211-157	7. PROJECT NUMBER XDAT043013	8. PROJECT COST (\$000) 2,400
<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 -</p> <p>(3) All Other Design Costs 65</p> <p>(4) Construction Contract Award 04 DEC</p> <p>(5) Construction Start 05 JAN</p> <p>(6) Construction Completion 06 FEB</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed NO</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>			