

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE GEORGIA			4. COMMAND: AIR FORCE MATERIEL COMMAND:			5. AREA CONST COST INDEX 0.82				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 02	960	3226	2740	450	2909		78	1680	84	12,12
END FY 2007	847	2763	2739	439	2819		78	1680	84	11,44
7. INVENTORY DATA (\$000)										
Total Acreage:		8,722								
Inventory Total as of : (30 Sep 02)					2,584,51					
Authorization Not Yet in Inventory:					39,92					
Authorization Requested in this Program:					28,68					
Authorization Included in the Following Program:		(FY 2005)			5,78					
Planned in Next Four Years Program:					150,21					
Remaining Deficiency:					197,85					
Grand Total:					3,006,97					
3. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)										
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000		DESIGN START		STATUS CMPL
CODE										
171-212	J-STARS ADAL Flight Simulator Fac			1,572 SM		2,954		Design		Build
211-159	Corrosion Control Paint Facility			9,850 SM		25,731		Design		Build
		Total				28,685				
9a. Future Projects: Included in the Following Program: (FY2005)										
721-312	Dormitory			96 RM		5,786				
		Total				5,786				
9b. Future Projects: Typical Planned Next Four Years:										
113-321	Add to and Alter Aircraft Ramp			17 HE		7,000				
130-142	Replace Fire/Crash Rescue Station			2,300 SM		6,300				
141-753	ADAL Squadron Operations Facility			560 SM		1,500				
130-835	New Security Forces Facility			3,763 SM		7,200				
136-661	Upgrade Approach Lighting System (Runway 15)					LS 2,500				
211-116	Depot Maintenance Support Hangar			4,682 SM		8,500				
211-152	Consolidate Aircraft Maintenance Facility			3,800 SM		10,000				
211-152	Aircraft Component Repair Facility			6,690 SM		13,000				
211-154	Aircraft Maintenance Facility			2,780 SM		3,500				
211-152	Plastic/Radome Shop			3,450 SM		7,266				
211-152	Life Support Facility			3,550 SM		7,500				
211-152	Repair Building 125					LS 16,500				
217-742	51st Combat Comm Squad Ops Fac			2,700 SM		7,144				
217-742	54th Combat Comm Squad Ops Fac			2,700 SM		6,900				
218-712	Replace Ground Support Equipment Mnt Facility			4,924 SM		9,000				
142-257	HAZMAT Storage Facility			1,020 SM		2,200				
142-758	Deployment Storage Facility			3,300 SM		5,900				
110-675	Building 91 Addition			986 SM		1,800				
110-675	Consolidate Logistics Facility Depot Operations			6,505 SM		8,300				
21-312	Dormitory			96 RM		6,100				
21-315	Visiting Quarters (VAQ)			2,300 SM		6,100				
112-226	Upgrade Apron Power					LS 2,000				
131-145	Upgrade Domestic/Industrial Sewage					LS 4,000				
9c. Real Property Maintenance Backlog This Installation										9!

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3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE GEORGIA	4. COMMAND: AIR FORCE MATERIEL COMMAND:	5. AREA CONST COST INDEX 0.82	
10. Mission or Major Functions: Warner Robins Air Logistics Center which is responsible for logistics management, support and depot-level maintenance of systems including F-15, C-130, C-5, C-141, and U-2 aircraft, helicopters, missiles and remotely piloted vehicles; an air base wing; an air control wing; HQ Air Force Reserve Command; an Air Mobility Command air refueling group with KC-135 aircraft; an ACC combat communications group; a special operations flight with EC-137D aircraft; an Air National Guard bomb wing with B-1B aircraft; and an Air Force recruiting group.			
11. Outstanding pollution and Safety (OSHA Deficiencies):			
a. Air pollution		4,325	
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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA			4. PROJECT TITLE JSTARS - ADD/ALTER FLIGHT SIMULATOR FACILITY		
5. PROGRAM ELEMENT 27504	6. CATEGORY CODE 171-212	7. PROJECT NUMBER UHHZ013004	8. PROJECT COST (\$000) Auth: 3,014 Approp: 2,954		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST
ADD/ALTER FLIGHT SIMULATOR FACILITY		LS			2,250
ADDITION TO SIMULATOR		SM	622	2,635	(1,639)
ALTERATION TO SIMULATOR		SM	950	635	(603)
AWTITRRRRORISW FORCE PROTECTION		LS			(8)
SUPPORTING FACILITIES					483
UTILITIES		LS			(120)
PAVEMENTS		LS			(79)
SITE IMPROVEMENTS		LS			(140)
SPECIAL FOUNDATION		LS			(141)
COMMUNICATIONS SUPPORT		LS			(3)
SUBTOTAL					2,733
CONTINGENCY (5.0 %)					137
TOTAL CONTRACT COST					2,870
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)					164
TOTAL REQUEST					3,033
TOTAL REQUEST (ROUNDED)					3,014
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(7,000.0)
<p>10. Description of Proposed Construction: Construct addition with reinforced concrete foundation, CMU and brick veneer walls and steel truss, standing seam metal roof. Install and alter electrical, BVAC, hydraulic, and fire protection systems. Force protection includes structural reinforcement of exterior walls, fully tempered glass windows, and constructing new security fence. Includes utilities, site improvements and all necessary support.</p>					
<p>11. REQUIREMENT: 1,572 ADEQUATE: 0 SUBSTANDARD: 950</p> <p>PROJECT: Add to and Alter Flight Simulator Facility. (Current Mission)</p> <p>REQUIREMENT: An addition to the flight simulator is required to support a second weapon system trainer (WST) to provide additional Capability to insure JSTARS crews are kept current and new crews are mission ready. The addition will include a simulator bay, software and computer support area, restrooms, administration, classroom and briefing room space and mechanical space to support a full motion, full vision, WST to support JSTARS mission. Comply with DoD interim minimum force protection construction standard.</p> <p>CURRENT SITUATION: The existing simulator facility (B/2048) does not have space to accommodate a second WST. The JSTARS program is in the process of ramping up to full mission capability. The existing WST is not adequate to support the training requirements of the increased number of flight crews and still maintain steady state mission capability. This is the only JSTARS Wing in the Air Force and no other location is capable of conducting this mission training.</p> <p>IMPACT IPNOT PROVIDED: The existing WST will continue to be utilized to its maximum</p>					

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA			4. PROJECT TITLE JSTARS - ADD/ALTER FLIGHT SIMULATOR FACILITY	
5. PROGRAM ELEMENT 27584	6. CATEGORY CODE 171-212	7. PROJECT NUMBER UHHZ013004	8. PROJECT COST (\$000) 3,014	
<p>ability. Lack of adequate maintenance and repair to the WST could result in a catastrophic failure and eliminate any recurring or mission ready training. New crews will not be adequately trained for the incoming JSTARS aircraft and keeping the existing crews current will become increasingly more difficult.</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, 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: Col. Michael D. Morrie, DSN 468-5820 ext 114. Add to Flight Simulator: 622 SM = 6,693 SF, Alter Flight Simulator: 950 SM = 10,222 SF. Design Build - Design Build Cost (4% of Subtotal): \$112,520.</p> <p><u>BASE CIVIL ENGINEER:</u> Amrit</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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		4. PROJECT TITLE JSTARS - ADD/ALTER FLIGHT SIMULATOR FACILITY	
5. PROGRAM ELEMENT 27584	6. CATEGORY CODE 171-212	7. PROJECT NUMBER UHHZ013004	8. PROJECT COST (\$000) 3,014
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			10-MAY-02
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2003			15%
• (d) Date 35% Designed			10-SEP-02
(e) Date Design Complete			15-SEP-03
(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			0
(b) All Other Design Costs			82
(c) Total			82
(d) Contract			0
(e) In-house			0
(4) Construction Contract Award			03 DEC
(5) Construction Start			04 JAN
(6) Construction Completion			04 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)
SIMULATOR	3080	2002	7,000

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA 2 (computer generated)		. DATE	
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA			4. PROJECT TITLE CORROSION CONTROL PAINT FACILITY	
5. PROGRAM ELEMENT 72896	6. CATEGORY CODE 211-159	7. PROJECT NUMBER UHHZ003011	8. PROJECT COST (\$000) Auth: 26,250 Approp: 25,731	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT	COST
CORROSION CONTROL PAINT FACILITY	SM	9,850	0	18,582
HIGH BAY HANGAR	SM	8,650	1,990	(17,214)
ADMINISTRATIVE SPACE	SM	1,200	1,140	(1,368)
SUPPORTING FACILITIES				5,197
UTILITIES	LS			(1,800)
PAVEMENTS	LS			(1,325)
SITE IMPROVEMENTS	LS			(1,200)
DEMOLITION	SM	1,458	200	(292)
COMMUNICATIONS SUPPORT	LS			(280)
FACILITY RENOVATION FOR RELOCATION	LS			(300)
SUBTOTAL				23,778
CONTINGENCY (5.0 %)				1,189
TOTAL CONTRACT COST				24,967
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,423
TOTAL REQUEST (ROUNDED)				26,390
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(7,000)
10. Description of Proposed Construction: Single-bay structure with reinforced concrete slab on piers and grade beams, steel frame, and steel/masonry walls. Includes aircraft access pavement, shoulders, vehicle parking, utilities, industrial waste pretreatment, fire suppression system, laminar air extraction system, and all necessary support. Demolish one facility totaling 1,458 SM. Air Conditioning: 2000 KW.				
11. REQUIREMENT: 9,850 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: Construct a corrosion control paint facility. (Current Mission) REQUIREMENT: A properly sized and configured corrosion control facility is required to provide space to prepare and paint aircraft processed at Warner Robins Air Logistics Center (WR-ALC), including the C-5. Facility will alleviate the bottleneck in the depot maintenance process and allow contract work to be returned to the base. The hangar will include space for shops, tool cribs, storage, restrooms and administrative space. The additional capacity is needed to reduce flow days and increase fleet readiness. In addition, building 44 will need to be renovated for relocating personnel from building 515. Building 55 is the site location of the new paint hangar and will be demolished. Also building 60, which is in the same site area, will have to be relocated. CURRENT SITUATION: Shortfalls in depot aircraft paint capacity exists with present and future aircraft workload. WR-ALC has been forced to incur additional costs and delays to the depot maintenance process by contracting out the aircraft paint shortfall. This has occurred even though a 3 shift/day, 7 day/week schedule was employed. This shift in operation has resulted in additional costs to the process. Scheduled weekend workload				

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3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		4. PROJECT TITLE CORROSION CONTROL PAINT FACILITY	
5. PROGRAM ELEMENT 72696	6. CATEGORY CODE 211-159	7. PROJECT NUMBER UHHZ003011	8. PROJECT COST (\$000) 26,250
<p>was placed an unacceptable strain on personnel, equipment, and the facilities since there is no residual capacity for scheduled maintenance of the equipment and facilities.</p> <p>IMPACT IF NOT PROVIDED: There will continue to be shortage of paint capacity at the WR- LC. Critical depot level corrosion control of aircraft will continue to be performed through contracted sources. This Air Logistics Center will continue to experience the additional costs associated with contract painting and the operating commands will continue to experience the delays in the return of mission ready aircraft.</p> <p>ADDITIONAL: 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 and status quo operation. Based on the net present values and benefits of the 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 15 Aug 01. Base civil Engineer: Col Michael Norrie (912) 926-3093. High Bay Hangar: 1,650 SM = 93,074 SF; Administrative Space: 1,200 SM = 12,912 SF. Design Build - Design Build Cost:(4% of Subtotal Cost): \$951,000.</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>			

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3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		4. PROJECT TITLE CORROSION CONTROL PAINT FACILITY									
5. PROGRAM ELEMENT 72896	6. CATEGORY CODE 211-159	7. PROJECT NUMBER UHHZ003011	8. PROJECT COST (\$000) 26,250								
<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 714</p> <p>(4) Construction Contract Award 03 DEC</p> <p>(5) construction start 04 JAN</p> <p>(6) Construction Completion 05 SEP</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="1" data-bbox="292 945 1347 1071"> <thead> <tr> <th data-bbox="292 997 714 1018">EQUIPMENT NOMENCLATURE</th> <th data-bbox="714 976 941 997">PROCURING APPRO</th> <th data-bbox="941 955 1136 1018">FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th data-bbox="1266 976 1347 1018">COST (\$000)</th> </tr> </thead> <tbody> <tr> <td data-bbox="292 1039 714 1060">INITIAL OUTFITTING EQUIPMENT</td> <td data-bbox="795 1039 860 1060">3010</td> <td data-bbox="1023 1039 1088 1060">2004</td> <td data-bbox="1266 1039 1347 1060">7,000</td> </tr> </tbody> </table>				EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	INITIAL OUTFITTING EQUIPMENT	3010	2004	7,000
EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)								
INITIAL OUTFITTING EQUIPMENT	3010	2004	7,000								

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROGRAM						2. DATE				
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE HAWAII				4. COMMAND: PACIFIC AIR FORCES			5. AREA CONST COST INDEX 1.55					
6. Personnel		PERMANENT			STUDENTS			SUPPORTED				
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
AS OF 30 SEP 02		706	2,631	1,327	162	54	324	31	157	857	6,249	
END FY 2007		700	2,588	1,320	162	54	324	31	157	857	6,157	
7. INVENTORY DATA (\$000)												
Total Acreage:		2,851										
Inventory Total as of : (30 Sep 02)										3,601,95		
Authorization Not Yet in Inventory:										7,900		
Authorization Requested in this Program:										71,47		
Authorization Included in the Following Program: (FY 2005)												
Planned in Next Four Years Program:										209,67		
Remaining Deficiency:										91,93		
Grand Total:										3,982,94		
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)												
CATEGORY							COST	DESIGN	STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>					<u>\$,000</u>	<u>START</u>	<u>CMPL</u>			
113-321	Expand Strategic Airlift Ramp	37,360					SM	10,102	Apr-02	Jul-03		
141-753	C-17 Squadron Operations	3,542					SM	10,674	May-02	Sep-03		
171-212	C-17 Flight Simulator Facility	1,170					SM	5,623	May-02	Sep-03		
211-111	C-17 Corrosion Control/Maint Facility	4,784					SM	30,400	Apr-02	Sep-03		
610-129	C-17 Consolidated Maintenance Complex	2,215					SM	7,529	Apr-02	Aug-03		
906-245	C-17 Kuntz Gate and Road	1					LS	3,050	May-02	Sep-03		
812-225	C-17 Support Utilities, Phase 1	1					LS	4,098	Jul-02	Sep-03		
Total							71,476					
9a. Future Projects: Included in the Following Program: (FY2005)												
None												
9b. Future Projects: Typical Planned Next Four Years:		SCOPE					COST					
113-321	Realign Aircraft Parking Ramp, Phase 1	42,476					SM	11,600				
113-321	Realign Aircraft Parking Ramp, Phase 2	37,700					SM	8,355				
113-321	Repair Airfield Pavement, Phase 3	125,354					SM	18,023				
113-321	Repair Airfield Pavement, Phase 4	1					LS	11,000				
130-841	Replace Military Working Dog Kennels	240					SM	1,300				
134-336	Replace Ground Control Center	1					LS	4,200				
141-786	Joint Mobility Complex (PACAF/AMC)	8,436					SM	29,800				
442-758	Replace Supply Warehouse Complex	13,600					SM	15,000				
610-284	Operationalize HQ PACAF Building, Ph 1	26,450					SM	23,000				
731-142	Fire Station/Crash Rescue & Satellite Statio	3,459					SM	13,600				
735-441	Replace Base Education/Library Center	3,500					SM	12,000				
742-674	Add/Alter Fitness Center	6,002					SM	14,000				
812-225	Upgrade Electrical Distribution System	1					LS	23,000				
832-266	Repair Sewer Lines	5,000					SM	7,000				
842-245	Repair Water Distribution Mains	5,500					LM	4,800				
851-147	Improve Kuntz Roadway	1					LS	13,000				

10. Mission or Major Functions: The host air base wing supports C-135B/C aircraft and hosts Headquarters, Pacific Air Forces. The installation also hosts an Air National Guard wing consisting of an F-15A/B squadron, an air refueling squadron (KC-135), and an airlift squadron (C-130H). Other major activities include an Air Intelligence Agency intelligence group and an Air Mobility Support group.

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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE EXPAND STRATEGIC AIRLIFT RAMP			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER KNMD043002	8. PROJECT COST (\$000) Auth: 10,383 Approp: 10,102		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST
EXPAND STRATEGIC AIRLIFT RAMP		SM	1	0	8,406
EXPAND RAMP		SM	37,360	225	(8,406)
SUPPORTING FACILITIES					879
UTILITIES		LS			(442)
SOIL REMEDIATION		LS			(217)
ARCHAEOLOGICAL MONITORING		LS			(70)
DRAINAGE		LS			(150)
SUBTOTAL					9,285
CONTINGENCY (5.0 %)					464
TOTAL CONTRACT COST.					9,749
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)					634
TOTAL REQUEST					10,383
TOTAL REQUEST (ROUNDED)					10,383
10. Description of Proposed Construction: Reconfigure islands, expansion of concrete aircraft parking ramp, ramp lighting, drainage, archaeological monitoring, soil remediation, and appurtenances.					
11. REQUIREMENT: 173,226 SM ADEQUATE: 135,866 SM SUBSTANDARD: 0 SM PROJECT: Expand aircraft parking ramp. (Current Mission)					
<u>REQUIREMENT:</u> An adequately sized and configured aircraft parking ramp to support strategic airlift operations in support of Pacific Command Operations Plans (OPLANs). <u>CURRENT SITUATION:</u> The strategic airlift ramp can accommodate only four C-5 aircraft. Pacific Command wartime tasking requires parking for at least twelve C-5 aircraft to meet simultaneous refueling of aircraft for a quick turnaround. <u>IMPACT IF NOT PROVIDED:</u> Lack of adequate aircraft parking ramp space and refueling hydrants will severely slow critical strategic airlift support to Pacific Command during contingencies and wartime. <u>ADDITIONAL:</u> This project meets the scope/criteria specified in Air Force Handbook 32-1084, "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 exemption has been prepared. Antiterrorism/Force protection will be in accordance with the local threat assessment. Related DLA FY04 MILCON Aircraft Hydrant Refueling System. Base Civil Engineer: Colonel Hoarn (808) 449-1660. Aircraft Parking Ramp: 37,360 SM = 14,683 SY. <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.					

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3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE EXPAND STRATEGIC AIRLIFT RAMP		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER KNMD043002	8. PROJECT COST (\$000) 10,383	
12. SUPPLEMENTAL DATA:				
a. Estimated Design Data:				
(1) Status:				
(a) Date Design Started				15-APR-02
(b) Parametric Cost Estimates used to develop costs				YES
* (c) Percent Complete as of 01 JAN 2003				15%
• (d) Date 35% Designed				30-SEP-02
(e) Date Design Complete				15-JUL-03
(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 Coat (c) = (a) + (b) or (d) + (e):				(\$000)
(a) Production of Plans and Specifications				618
(b) All Other Design Costa				309
(c) Total				927
(d) Contract				824
(e) In-house				103
(4) Construction Contract Award				03 DEC
(5) Construction Start				04 FEB
(6) Construction Completion				05 JUL
* 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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 FLIGHT SIMULATOR FACILITY	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 171-212	7. PROJECT NUMBER KNMD033005	8. PROJECT COST (\$000) 5,736
<p>both the initial and recurring requirements. Scheduling and the use of off-station simulator training would overload CONUS simulator facilities (Charleston AFB, McChord AFB and Altus AFB) for initial C-17 aircrew training requirements. Additionally, the difficulty in managing aircrew members availability, significant travel times from Hawaii to CONDS locations, and the difficulty of effective and timely sequencing of desired aircrew training task completion would seriously degrade aircrew qualification levels and impact mission capability.</p> <p>ADDITIONAL: This project meets the scope/criteria 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 Steven E. Hoarn, 808-449-1660. Flight Simulator Facility: 1,170 SM = 12,589 SF.</p> <p>BASE CIVIL ENGINEER: Kim</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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3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 FLIGHT SIMULATOR FACILITY	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 171-212	7. PROJECT NUMBER KNMD033005	8. PROJECT COST (\$000) 5,736
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			30-MAY-02
(b) Parametric Cost Estimates used to develop costs			YES
. (c) Percent Complete as of 01 JAN 2003			15%
. (d) Date 35% Designed			02-SEP-02
(e) Date Design Complete			15-SEP-03
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			No
(b) Where Design Wae Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			344
(b) All Other Design Costs			172
(c) Total			516
(d) Contract			459
(e) In-house			57
(4) Construction Contract Award			03 DEC
(5) Construction Start			04 JAN
(6) Construction Completion			05 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:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
C-17 WEAPONS SYSTEM SIMULATOR	3080	2004	25,000

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 SQUADRON OPERATIONS	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 141-753	7. PROJECT NUMBER KNMD033006	8. PROJECT COST (\$000) Auth: 10,826 Approp: 10,674
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
C-17 SQUADRON OPERATIONS	LS		8,434
SQUADRON OPERATIONS	SM	3,280	(7,862)
AEROMEDICAL EVACUATION	SM	262	(532)
ANTITERRORISM/FORCE PROTECTION	SM	3,542	(39)
SUPPORTING FACILITIES			1,248
UTILITIES	LS		(300)
PAVEMENTS	LS		(110)
SITE IMPROVEMENTS	LS		(105)
COMMUNICATIONS SUPPORT	LS		(210)
SPECIAL FOUNDATIONS	LS		(345)
SOIL REMEDIATION*	LS		(160)
ARCHROLOGICALMONITORING	LS		(18)
SUBTOTAL			9,682
CONTINGENCY (5.0 %)			484
TOTAL CONTRACT COST			10,166
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)			661
TOTAL REQUEST			10,826
TOTAL REQUEST (ROUNDED)			10,826
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)			(1,200.0)
10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, two-story steel frame, masonry walls, and sloped metal roof. Includes briefing/debriefing, training, flight planning, intelligence, command post, operations, admin, aero medical evacuation, life support/survival equipment, physical fitness, mech areas, fire detection/protection. All utilities, site improvements, pavements, and environmental requirements. Air Conditioning: 155 KW.			
11. REQUIREMENT: 10,266 SM ADEQUATE: 463 SM SUBSTANDARD: 1,455 SM PROJECT: Construct C-17 squadron operatione facility. (New Mission) REQUIREMENT: A C-17 squadron operations facility properly sized and configured to support all squadron operations functions, as well as Aero Medical Rvacuation functions and Life Support/Survival Equipment functions. Co-location of the Life Support function and the Survival Equipment function will allow for cross utilization of like skill sets to enhance management and workload completion. The C-17 aircrew ensembles and aircrew protection gear are extensive for each aircrew member, and co-location of life support rith squadron operations enhances efficient management of required flying equipment/ensembles. CURRENT SITUATION: Present facilities housing squadron operation and life support functions for KC-135 and the limited 15 OSS DV flying operations will continue to support those operations and cannot accommodate the new C-17 operations even with			

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 SQUADRON OPERATIONS	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 141-753	7. PROJECT NUMBER KNMD033006	8. PROJECT COST (\$000) 10,826
<p>expansion. C-130 operations share space with KC-135 operations and will not provide near the amount of space for a new C-17 mission at Hickam. New requirements stemming from the arrival of the C-17 will be, weapons and tactics, current operations, and wing training. Additionally, this facility will need to house a new mission of the aeromedical (AME) element with their supplies, which no current space on Hickam exists. Life support functions also need to be incorporated into the design due to the fact that no adequate life support functions to support C-17 operations exist on Hickam. The squadron operations facility will need the standard space for an 8 PAA squadron plus room for weapons and tactics, AME, current operations, wing training, and life support.</p> <p>IMPACT IF NOT PROVIDED: Lack of adequate squadron operations facilities will mean aircrew operations, planning, and readiness functions cannot be accomplished to support new aircraft. Capability to accomplish the assigned mission will be seriously degraded.</p> <p>ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "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 Steven E. Hoarn, 808-449-1660. Squadron Operations: 3,280 SM = 35,292 SF; Aeromedical Evacuation: 262 SM = 2,819 SF.</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>			

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 SQUADRON OPERATIONS	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 141-753	7. PROJECT NUMBER KNMD033006	8. PROJECT COST (\$000) 10,826
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			02-MAY-02
(b) Parametric Cost Estimates used to develop costs			YES
• (c) Percent Complete as of 01 JAN 2003			15%
• (d) Date 35% Designed			15-SEP-02
(e) Date Design Complete			15-SEP-03
(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			653
(b) All Other Design Costs			327
(c) Total			980
(d) Contract			871
(e) In-house			109
(4) Construction Contract Award			04 JAN
(5) Construction Start			04 FEB
(6) Construction Completion			05 JUN
• 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)
SYSTEMS FURNITURE	3400	2004	1,200

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII			4. PROJECT TITLE C-17 CORROSION CONTROL/MAINTENANCE FACILITY		
5. PROGRAM ELEMENT 41130		6. CATEGORY CODE 211-111	7. PROJECT NUMBER KNMD033007	8. PROJECT COST (\$000) Auth: 30,462 Approp: 30,400	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST
CONSTRUCT C-17 CORROSION CONTROL HANGAR		LS			18,217
MAINTENANCE HANGAR		SM	3,679	3,053	(11,232)
AIRCRAFT CORROSION CONTROL		SM	455	6,475	(2,946)
COMPOSITE REPAIR SHOP		SM	650	3,448	(2,241)
ANTITERRORISM/FORCE PROTECTION		SM	4,784	15	(72)
AIRCRAFT ACCESS RAMP		SM	8,850	195	(1,726)
SUPPORTING FACILITIES					9,025
PAVEMENTS		LS			(400)
SITE IMPROVEMENTS		LS			(500)
DEMOLITION		SM	2,435	160	(390)
SPECIAL FOUNDATION		LS			(640)
ENVIRONMENTAL CONTROLS		LS			(6,300)
SOIL REMEDIATION		LS			(170)
ARCHAEOLOGICAL MONITORING		LS			(100)
UTILITIES		LS			(305)
COMMUNICATIONS SUPPORT		LS			(220)
SUBTOTAL					27,241
CONTINGENCY (5.0 %)					1,362
TOTAL CONTRACT COST					28,603
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)					1,859
TOTAL REQUEST					30,463
TOTAL REQUEST (ROUNDED)					30,462
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(10,000.0)
<p>10. Description of Proposed Construction: Reinforced concrete foundation, structural steel frame, floor slabs, masonry wall, sloped metal roof. Includes installed articulated elevated platforms, composite materials shop, structural repair shop, maintenance training areas, environmental controls, pollutant controls, fire detection/protection, mech areas, aircraft access ramp, support facilities, soil remediation and archaeological monitoring.</p> <p>Air Conditioning: 141 KW.</p>					
<p>11. REQUIREMENT: 21 850 SM ADEQUATE: 0 SM SUBSTANDARD: 16 212 SM</p> <p>PROJECT: Construct C-17 corrosion control/maintenance hangar. (New Mission)</p> <p>REQUIREMENT: An adequately sized, configured and sited C-17 corrosion control facility to properly perform aircraft corrosion control and maintenance operations in an environmentally acceptable manner. Hickam is located in a highly corrosive salt air environment that drives frequent maintenance and repair of the aircraft's exterior surfaces that are comprised of composite materials which require frequent maintenance</p>					

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 CORROSION CONTROL/MAINTENANCE FACILITY	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 211-111	7. PROJECT NUMBER KNMD033007	8. PROJECT COST (\$000) 30,462

and spot painting to prevent and limit structural and surface damage.

CURRENT SITUATION: Neither PACAF or the base has a facility that can support the full enclosure necessary for C-17 corrosion control and composite maintenance requirements. There are no local work around alternatives to remedy this situation. The maintenance of C-17 and its exterior composite materials is a new requirement at Hickam. No composite material shop exists on base to comply with C-17 technical order requirements, and no current shop space exists that could adequately be converted to meet C-17 composite maintenance requirements. A total of three (3) covered facilities will be required for use by the C-17 mission: 1) the corrosion control facility; 2) a general aircraft maintenance hangar; and 3) a fuels system maintenance facility. The lead time for the corrosion control hangar should allow for construction completion to coincide with the arrival of the first C-17 aircraft and provide the only fully enclosed maintenance covered space sized for the C-17 at Hickam AFB.

IMPACT IF NOT PROVIDED: Lack of a proper facility would result in corrosion control and maintenance requirements not meeting aircraft technical manuals criteria. The work cannot be performed under uncontrolled environmental conditions. Some corrosion control could be performed off station. However, due to the frequent maintenance and washing requirements and Hickam AFB's relatively remote location from suitable corrosion control facilities, this would be a very costly and difficult option to effectively manage. Any consideration on off station corrosion control and associated maintenance requirements would have a negative impact on aircraft availability, operational training, efficient maintenance scheduling and mission capability.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "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 Steven E. Hoarn, 808-449-1660. Maintenance Hangar: 3,679 SM = 39,586 SF; Aircraft Corrosion Control: 455 SM = 4,896 SF; Composite Repair Shop: 650 SM = 6,994 SF; Aircraft Access Ramp: 8,850 SM = 95,226 SF.

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.

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 CORROSION CONTROL/MAINTENANCE FACILITY	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 211-111	7. PROJECT NUMBER KNMD033007	8. PROJECT COST (\$000) 30,462
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-APR-02
(b) Parametric Cost Estimates used to develop costs			YES
. (c) Percent Complete as of 01 JAN 2003			15%
. (d) Date 35% Designed			25-SEP-02
(e) Date Design Complete			15-SEP-03
(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			1,861
(b) All Other Design Costs			930
(c) Total			2,791
(d) Contract			2,326
(e) In-house			465
(4) Construction Contract Award			03 DEC
(5) Construction Start			04 JAN
(6) Construction Completion			05 SEP
* 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)
ARTICULATING STANDS	3080	2004	10,000

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 SUPPORT UTILITIES, PHASE 1	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 812-225	7. PROJECT NUMBER KNMD033008	8. PROJECT COST (\$000) Auth: 4,482 Approp: 4,098
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
C-17 UTILITIES SUPPORT, PHASE 1	LS		2,973
PRIMARY DISTRIBUTION LINE UPGRADE	LS		(1,668)
COMMUNICATIONS	LS		(575)
SANITARY SEWER	LS		(730)
SUPPORTING FACILITIES			1,035
PAVEMENTS	LS		(427)
SITE IMPROVEMENTS	LS		(250)
ARCHAEOLOGICAL MONITORING	LS		(198)
SOIL REMEDIATION	LS		(160)
SUBTOTAL			4,008
CONTINGENCY (5.0 %)			200
TOTAL CONTRACT COST			4,208
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)			274
TOTAL REQUEST			4,482
TOTAL REQUEST (ROUNDED)			4,482
<p>L0. Description of Proposed Construction: Install electrical, water, sewer, and communications lines. Includes excavation, backfill, bedding, compaction, concrete encased ducts, sewer lines, manholes, hand holes, asphalt patching, dewatering, soil cemediation, archaeological monitoring, and appurtenances.</p>			
<p>11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS</p> <p>PROJECT: C-17 support utilities, phase 1. (New Mission)</p> <p>REQUIREMENT: A safe, reliable electrical distribution system with adequate commercial backup; a reliable sanitary sewage collection system; a safe and reliable potable water distribution system, and; a reliable communications (telephone and computer network) system with adequate uninterruptible backup power. These utilities must be designed with adequate capacity, security, and dependability to support the C-17 complex for right permanently assigned aircraft, 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 and air conditioning systems that adequately maintain air quality and ambient air temperatures. This is phase one of a two-phase C-17 utilities support plan.</p> <p>CURRENT SITUATION: The proposed C-17 support facilities site does not contain electrical power, communications. or sewer connections adequate for the maintenance hangars, consolidated maintenance complex, and squadron operations structures needed. The existing utility systems are nominal in support of the current activities (two C-130 "nose dock" hangars, the flight services facilities, the fire station, and the air passenger terminal). This will not suffice for the proposed structures, activities, and larger demands from modern computerized equipment and air conditioning requirements.</p>			

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 SUPPORT UTILITIES, PHASE 1	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 812-225	7. PROJECT NUMBER KNMD033008	8. PROJECT COST (\$000) 4,482
<p>reater capacity is needed because of the specialized maintenance that includes: corrosion control on the C-17 aircrafts' composite surfaces (e.g. painting and fabrications); larger equipment used for engine replacement and landing gear repairs (e.g. hoists, work stands); large-capacity fuel systems requiring environmental (e.g. fuel vapor, supplied breathing air) controls; and fire suppression and hazardous waste control systems (e.g. pumps).</p> <p>IMPACT IF NOT PROVIDED: Lack of adequate electrical power, wastewater and sanitary sewer collection, and communication systems to the C-17 beddown site would result in severe constraints in capabilities to support maintenance of aircraft, administration of the squadron, and training of personnel. Limited funding will delay the activation of the C-17 squadron at Hickam Air Force Base or, at a minimum, severely jeopardize its mission, safety, and efficiency.</p> <p>ADDITIONAL: This project does meet the scope/criteria specified in Air Force Handbook 12-1084, "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 Steven E. Hoarn, 808-449-1660.</p> <p>BASE CIVIL ENGINEER: SCHIFFL</p> <p>JOINT USE CERTIFICATION: 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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE																										
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 SUPPORT UTILITIES, PHASE 1																											
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 812-225	7. PROJECT NUMBER KNMD033008	8. PROJECT COST (\$000) 4,482																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>26-JUL-02</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 2003</td> <td>15%</td> </tr> <tr> <td>• (d) Date 35% Designed</td> <td>15-SEP-02</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>15-SEP-03</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 border="0"> <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 border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>251</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>125</td> </tr> <tr> <td>(c) Total</td> <td>376</td> </tr> <tr> <td>(d) Contract</td> <td>334</td> </tr> <tr> <td>(e) In-house</td> <td>42</td> </tr> </table> <p>(4) Construction Contract Award 03 DEC</p> <p>(5) Construction Start 04 JAN</p> <p>(6) Construction Completion 05 FEB</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	26-JUL-02	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of 01 JAN 2003	15%	• (d) Date 35% Designed	15-SEP-02	(e) Date Design Complete	15-SEP-03	(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	251	(b) All Other Design Costs	125	(c) Total	376	(d) Contract	334	(e) In-house	42
(a) Date Design Started	26-JUL-02																												
(b) Parametric Cost Estimates used to develop costs	YES																												
* (c) Percent Complete as of 01 JAN 2003	15%																												
• (d) Date 35% Designed	15-SEP-02																												
(e) Date Design Complete	15-SEP-03																												
(f) Energy Study/Life-Cycle analysis was/will be performed	NO																												
(a) Standard or Definitive Design -	NO																												
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(a) Production of Plans and Specifications	251																												
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(c) Total	376																												
(d) Contract	334																												
(e) In-house	42																												

1. COMPONENT RIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII			4. PROJECT TITLE C-17 CONSOLIDATED MAINTENANCE COMPLEX	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 610-129	7. PROJECT NUMBER KNMD043006	8. PROJECT COST (\$000) Auth: 8,142 Approp: 7,529	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT	COST
!-17 CONSOLIDATED MAINTENANCE COMPLEX	LS			5,380
SQUADRON ADMINISTRATION AND SUPPORT	SM	1,347	2,540	(3,421)
AIRCRAFT MAINTENANCE UNIT	SM	868	2,210	(1,918)
ANTITERRORISM/FORCE PROTECTION	SM	2,215	18	(40)
SUPPORTING FACILITIES				1,902
UTILITIES	LS			(585)
PAVEMENTS	LS			(343)
SITE IMPROVEMENTS	LS			(130)
COMMUNICATIONS SUPPORT	LS			(250)
SPECIAL FOUNDATION	LS			(282)
SOIL REMEDIATION	LS			(250)
ARCHAEOLOGICAL MONITORING	LS			(62)
SUBTOTAL				7,282
CONTINGENCY (5.0 %)				364
TOTAL CONTRACT COST				7,646
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				497
TOTAL REQUEST				8,143
TOTAL REQUEST (ROUNDED)				8,142
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,300.0)
<p>0. Description of Proposed Construction: Reinforced concrete frame, concrete foundation, floor slab, masonry walls, sloped metal roof, soil remediation, mechanical rears, fire detection/protection, supporting facilities, and appurtenances. Facility pace to include supervision, administration, training, dispatch, analysis, scheduling, briefing, ready room, crew shelter, tool crib, locker room, and non-powered equipment.</p> <p>Air Conditioning: 211 KW.</p>				
<p>1. REQUIREMENT: 7,385 SM ADEQUATE: 5,948 SM SUBSTANDARD : 0 SW</p> <p>PROJECT: Construct C-17 consolidated maintenance complex. (New Mission)</p> <p>REQUIREMENT: An adequately sized, configured and sited consolidated maintenance complex to facilitate effective C-17 maintenance management, span of control, flightline dispatch, and aircrew support and transportation.</p> <p>CURRENT SITUATION: C-17 beddown will involve up to 400 aircrew, ground support, administration, and transient personnel requiring flightline maintenance facilities. These facilities do not exist in the C-17 beddown location.</p> <p>IMPACT IF NOT PROVIDED: Lack of adequate flightline maintenance facilities in the C-17 beddown site will require inordinate coordination, transportation, scheduling, and management of resources to meet the mission. Communications and mission capability could be greatly hindered jeopardizing response times, aircraft availability, mission</p>				

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 CONSOLIDATED MAINTENANCE COMPLEX	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 610-129	7. PROJECT NUMBER KNMD043006	8. PROJECT COST (\$000) 8,142
<p>readiness, and aircraft safety.</p> <p><u>ADDITIONAL:</u> This project meets the scope/criteria 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 Steven E. Hoarn, 808-449-1660. Squadron Administration and Support: 1,347 SM = 14,499 SF; Aircraft Maintenance Unit: 68 SM = 9,343 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-17 CONSOLIDATED MAINTENANCE COMPLEX	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 610-129	7. PROJECT NUMBER KNMD043006	8. PROJECT COST (\$000) 8,142
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		17-APR-02	
(b) Parametric Cost Estimates used to develop costs		YES	
• (c) Percent Complete as of 01 JAN 2003		15%	
* (d) Date 35% Designed		12-SEP-02	
(e) Date Design Complete		01-AUG-03	
(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		461	
(b) All Other Design Costs		230	
(c) Total		691	
(d) Contract		614	
(e) In-house		77	
(4) Construction Contract Award		03 DEC	
(5) Construction Start		04 JAN	
(6) Construction Completion		05 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:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
SYSTEMS FURNITURE	3400	2004	1,300

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII			4. PROJECT TITLE C-17 KUNTZ GATE AND ROAD	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 906-245	7. PROJECT NUMBER KNMD043009	8. PROJECT COST (\$000) Auth: 3,265 Approp: 3,050	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT	COST
C-17 KUNTZ GATE AND ROAD	LS			495
CHECK HOUSE AND BOOTH	SM	56	6,525	(365
ANTITERRORISM/FORCE PROTECTION	LS			(130
SUPPORTING FACILITIES				2,425
UTILITIES	LS			(215
PAVEMENTS	LS			(455
SITE IMPROVEMENTS	LS			(1,705
SOIL REMEDIATION	LS			(25
ARCHAEOLOGICAL MONITORING	LS			(20
DEMOLITION (BLDG 4070)	SM	25	200	(5
SUBTOTAL				2,920
CONTINGENCY (5.0 %)				146
TOTAL CONTRACT COST				3,066
£SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				199
TOTAL REQUEST				3,266
TOTAL REQUEST (ROUNDED)				3,265
10. Description of Proposed Construction: New roadway lanes, vehicle inspection area; guardhouse and booths, area lighting, canopies at entrance area; force protection devices; inspection pit, drainage, and all necessary supporting utilities, landscaping, demolition, contaminated soil remediation, archaeological monitoring, and appurtenances. Air Conditioning: 5 KW.				
11. REQUIREMENT: 73 SM ADEQUATE: 17 SM SUBSTANDARD: 25SM <u>PROJECT:</u> C-17 Kuntz Gate and Road. (New Mission) <u>REQUIREMENT:</u> An entrance to Hickam Air Force Base (AFB) designed to accommodate large vehicles and construction equipment. Entrance should comply with current AT/FP measures and security regulations to adequately route vehicular traffic safely and efficiently. Reinforced gates, security barriers, and pavement as well as structures for gate security personnel are required for compliance with stringent anti-terrorism/force protection (ATFP) directives. The new gate design includes electronically activated flop-up barriers, tire shredders, and drop-arm barriers substantial enough to deter and contain large, heavy vehicles. <u>CURRENT SITUATION:</u> Existing vehicular access gates to Hickam AFB provide nominal security with steel gates, temporary water-filled barriers, and armed guards. Both personnel in automobiles and transports with heavy machinery generally use these gates. There are only two access points to Hickam AFB. The main gate to Hickam flows directly under an overpass bridge with height restrictions and should not be used by contractors due to the high volume of base personnel entering the base. The secondary gate chosen for contractor entry is too small for large shipments of materials and construction equipment/machinery and needs to be modified to accept large types of construction				

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-11 KUNTZ GATE AND ROAD	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 906-245	7. PROJECT NUMBER KNMD043009	8. PROJECT COST (\$000) 3,265
<p>ehicles. Security conditions that require intensive vehicle inspections, congestion and unsafe traffic conditions develop at the gates due to the amount of time required to adequately inspect the larger vehicles. Also, containment structures capable of handling large vehicles at entry gates are minimal and could be breached by hostile entities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Lack of effective antiterrorism/force protection measures will continue to pose personnel and high value resources to unacceptable threats.</p> <p><u>ADDITIONAL:</u> This project does meet the scope/criteria specified in Air Force Handbook 12-1084, "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 Steven E. Hoarn, 808-449-1660. c-17 Kuntz Gate and Road: Check House and Booth: 56 SM = 603 SF.</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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		4. PROJECT TITLE C-11 KUNTZ GATE AND ROAD	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 906-245	7. PROJECT NUMBER KNMD043009	8. PROJECT COST (\$000) 3,265
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		30-MAY-02	
(b) Parametric Cost Estimates used to develop costs		YES	
. (c) Percent Complete as of 01 JAN 2003		15%	
* (d) Date 35% Designed		01-SEP-03	
(e) Date Design Complete		15-SEP-03	
(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		187	
(b) All Other Design Costs		93	
(c) Total		280	
(d) Contract		249	
(e) In-house		31	
(4) Construction Contract Award		03 DEC	
(5) Construction Start		04 JAN	
(6) Construction Completion		04 OCT	
. 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 2004 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO				4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 1.14				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
	AS OF 30 SEP 02	458	4056	408	29	24	9				60
END FY 2007	458	4063	404	29	24	9			60	5,047	
7. INVENTORY DATA (\$000)											
a. Total Acreage:										6,844	
b. Inventory Total as of : (30 Sep 02)										1,247,124	
c. Authorization Not Yet in inventory:										8,000	
d. Authorization Requested in this Program:										5,337	
e. Authorization Included in the Following Program: (FY 2005)										7,907	
f. Planned in Next Four Years Program:										47,282	
g. Remaining Deficiency:										65,700	
h. Grand Total:										1,381,350	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)											
CATEGORY		PROJECT TITLE		SCOPE		COST		DESIGN		STATUS	
CODE						9,000		START		CMF	
742-674		Add To And Alter	Fitness Center	2,526	SM	5,337		Mar-02		Aug-04	
Total						5,337					
9a. Future Projects: Included in the Following Program: (FY2005)											
214-425		Operations/Maintenance Complex	(726 ACS)	3,442	SM	7,907					
Total						7,907					
9b. Future Projects: Typical Planned Next Four Years:											
141-453		Base Operations/RAPCON Facility		1,764	SM	9,300					
214-425		726th ACS Operations/Maintenance Complex		3,442	SM	6,162					
142-758		Base Supply Warehouse		6,100	SM	11,600					
22351		Dining Facility		1,712	SM	6,600					
24-417		Visiting Quarters		4,000	SM	11,600					
9c. Real Property Maintenance Backlog This Installation:										29	
9d. Mission or Major Functions: A composite wing with one F-16 squadron; one F-15 C/D squadron, one F-15E squadron, and the AEF Battlelab.											
10. 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, 9 Jul 02

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO				4. PROJECT TITLE ADD TO AND ALTER FITNESS CENTER		
5. PROGRAM ELEMENT 27596		6. CATEGORY CODE 742-674	7. PROJECT NUMBER QYZH023010		8. PROJECT COST (\$000) Auth: 5,445 Approp: 5,337	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT	COST	
ADD TO AND ALTER FITNESS CENTER		Ls			4,339	
FITNESS CENTER ADDITION		SM	1,873	1,855	(3,474)	
ALTER FITNESS CENTER		SM	1,461	576	(942)	
ANTITERRORISM/FORCE PROTECTION		Ls			(22)	
SUPPORTING FACILITIES					564	
UTILITIES		Ls			(69)	
SITE IMPROVEMENTS		Ls			(70)	
SEISMIC SUPPORT		LS			(70)	
ASBESTOS/LEAD BASE PAINT ABATEMENT		LS			(40)	
DEMOLITION		Ls			(130)	
-CATIONS SUPPORT		Ls			(78)	
PAVEMENTS		Ls			(107)	
SUBTOTAL					4,902	
CONTINGENCY (5.0 %)					245	
TOTAL CONTRACT COST					5,147	
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)					293	
TOTAL REQUEST					5,440	
TOTAL REQUEST (ROUNDED)					5,445	
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(118.0)	
<p>10. Description of Proposed Construction: Construct a 2,153 SM addition to the existing fitness center. New addition will house locker rooms, two racquetball courts, administration, cardiovascular area and a health and wellness center (HAWC). Alter 375 SM of existing fitness center. All new and renovated spaces will receive new HVAC systems. construct 94 space parking lot. Force protection will comply with minimum MOD standards.</p> <p>Air Conditioning: 100 KW.</p>						
<p>11. REQUIREMENT: 6,418 SM ADEQUATE: 4,265 SM SUBSTANDARD: 0 SM</p> <p>OBJECT: and alter fitness center. (Current Mission)</p> <p>REQUIREMENT: A modern, adequate sized and properly configured fitness center to conduct comprehensive and balanced programs for physical fitness programs required for Mountain Home AFB personnel and their dependents which is a major Quality Of life and retention requirement. personnel require safe fitness programs including aerobics, health, mental, and nutritional training, indoor recreational athletic activities, and a health and wellness center.</p> <p>CURRENT SITUATION: The current Fitness Center supports a base population of 9,400 active duty military, dependents, and civilian employees, and provides inadequate support due to a space deficiency of 2,153 SM. The facility was constructed in 1960 and upgraded in 1985. The women's locker room is too small to accommodate current demand, creating an eight-month waiting list for lockers. In addition, the unsightly locker</p>						

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO			4. PROJECT TITLE ADD TO AND ALTER FITNESS CENTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 742-674	7. PROJECT NUMBER QYZH023010	8. PROJECT COST (\$000) 5,445	
<p>room has not undergone any major renovation since the building was constructed. The body shaping room is too small to support the amount of equipment necessary to meet demand and current Air Force standards. Equipment supporting the cardio-theater cardiovascular area) is scattered throughout the facility because the area supporting his function is not large enough to support demand. The health and wellness center HAWC) lacks office space, and has a converted squash court to perform this function. Part of the HAWC is housed in a lean-to attached to the base swimming pool.</p> <p>IMPACT IF NOT PROVIDED: The personal fitness and readiness of Air Force members will continue to be negatively impacted by limiting its programs due to the inadequate and substandard fitness center. Patrons will continue using facilities that are unsightly, dated, and below Air Force standards.</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 requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Richard S. Jarvis, (208) 828-6353. Fitness Center Addition: 2,153 SM = 23,166 SF; Alter Fitness Center: 375 SM = 4,035 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 2004 MILITARY CONSTRUCTION PROJECT MTA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO		4. PROJECT TITLE ADD TO AND ALTER FITNESS CENTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 742-674	7. PROJECT NUMBER QYZH023010	8. PROJECT COST (\$000) 5,445
12. SUPP-AL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			28-MAR-02
(b) Parametric Cost Estimates used to develop costs			YES
(c) Percent Complete as of 01 JAN 2003			15%
* (d) Date 35% Designed			05-AUG-02
(e) Date Design Complete			20-AUG-03
(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			327
(b) All Other Design Costs			163
(c) Total			490
(d) Contract			436
(e) In-house			54
(4) Construction Contract Award			04 JAN
(5) Construction Start			04 FEB
(6) Construction Completion			05 OCT
* 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	2004	118

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROGRAM					2. DATE					
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE ILLINOIS				4. COMMAND: AIR MOBILITY COMMAND			5. AREA CONST COST INDEX 1.19					
6. Personnel		PERMANENT			STUDENTS			SUPPORTED				
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
AS OF 30 SEP 02		2168	4955	2430	3	230	14	263	285	551	10,899	
END FY 2007		2171	4938	2419	3	230	14	263	285	551	10,874	
7. INVENTORY DATA (\$000)												
Total Acreage:		3,230										
Inventory Total as of : (30 Sep 02)										1,947,465		
Authorization Not Yet in Inventory:										8,611		
Authorization Requested in this Program:										1,900		
Authorization Included in the Following Program: (FY 2005)										11,800		
Planned in Next Four Years Program:										76,988		
Remaining Deficiency:										54,4010		
Grand Total:										2,101,164		
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)												
CATEGORY		PROJECT TITLE					SCOPE	COST \$,000	DESIGN START	STATUS C M P L		
CODE	PROJECT TITLE					SCOPE	COST \$,000	DESIGN START	STATUS C M P L			
730-839	Construct Shiloh Gate (AT/FP)					I LS	1,900	May-02	Aug-0:3			
TOTAL							1,900					
9a. Future Projects: Included in the Following Program:						(FY2005)	NONE					
9b. Future Projects: Typical Planned Next Three Years:												
CODE	PROJECT TITLE					SCOPE	COST \$,000					
141-461	TACC (Air Operations Center)					8,454 SM	28,000					
610-811	Add/Alter USTRANSCOM Facility					10,532 SM	28,688					
61 O-835	Security Forces Compound					3,520 SM	7,700					
721-312	Dormitory					144 RM	12,600					
9c. Real Property Maintenance Backlog This Installation										80,5313		
10. Mission or Major Functions: Headquarters Air Mobility Command and US Transportation Command, an aeromedical evacuation wing, with an AF Reserve Associate wing and an Air National Guard air refueling wing												
1 I. 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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS			4. PROJECT TITLE CONSTRUCT SHILOH GATE (AT/FP)		
5. PROGRAM ELEMENT 28047		6. CATEGORY CODE 730-839	7. PROJECT NUMBER VDYD020118	8. PROJECT COST (\$000) Auth: 1,900 Approp: 1,900	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST
PRIMARY STRUCTURES		LS			1,021
GATEHOUSE		SM	74	1,230	(91)
CANOPY/ID CHECKER STATIONS		SM	335	2,776	(930)
SUPPORTING FACILITIES					691
UTILITY/COMMUNICATION LINES		LS			(80)
INBOUND PAVEMENT CONSTRUCTION		LS			(140)
MISC. AT/FP		LS			(371)
RELOCATE OVERHEAD PWR LINES		LS			(100)
SUBTOTAL					1,712
CONTINGENCY (±5.0 %)					86
TOTAL CONTRACT COST					1,798
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)					102
TOTAL REQUEST					1,900
TOTAL REQUEST (ROUNDED)					1,900
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(110.0)
<p>10. Description of Proposed Construction: Force Protection upgrades at Shiloh gate. This project will include a new gate house, 8 I.D. Checker stations, a new canopy, communication/utility lines, relocation of some overhead power lines to underground, some inbound pavement construction, and all other necessary support. Includes Anti-Terrorism/Force Protection physical security IAW DoD minimal construction standards.</p>					
<p>11. REQUIREMENT: ADEQUATE: SUBSTANDARD:</p> <p>PROJECT: Force Protection (FP) of Shiloh entry gate. The new entry control point will be moved back to allow for added Force Protection features. It will also include a canopy and 8 ID Checker Stations, as well as the required utility and site improvements.</p> <p>REQUIREMENT: The improvement of the Shiloh vehicle gate for force protection require new road work, utilities, communications lines, fencing, guard booths, guard house, overhead canopy, approach and checkpoint inspection lighting.</p> <p>SITUATION: Due to elevated force protection levels, Scott AFB has been forced to initiate strict controls on base access. These controls have resulted in several negative but necessary consequences: Vehicles are currently queuing onto off base roads while waiting for inspection, guards are inspecting vehicles both on and off base with no protection from rogue vehicles or weather and vehicles must traverse hazardous traffic patterns due to constraints of current infrastructure.</p> <p>IMPACT IF NOT PROVIDED: This initiative will directly address a fundamental vulnerability that has been noted in higher headquarters vulnerability assessment as affecting personal security of national and international leaders and the physical security of the installation that houses the 'brain' of the defense transportation system.</p> <p>ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project</p>					

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS			4. PROJECT TITLE CONSTRUCT SHILOH GATE (AT/FP)	
5. PROGRAM ELEMENT 28047	6. CATEGORY CODE 730-839	7. PROJECT NUMBER VDYD020118	8. PROJECT COST (\$000) 1,900	
<p>(status quo, renovation, upgrade/removal, new construction, leasing) was accomplished. It indicates that new construction is the only option that will meet operations requirements. Because of this, a full economic analysis will not be performed. A certificate of exception will be prepared. Re-routing the out-bound road network will be accomplished with a companion O&M funded Minor Construction project (VDYD 02-0180A). In-bound traffic calming force protection measures will be accomplished with a companion O&M funded Repair project (VDYD02-0180B). Base Civil Engineer: Lt Col John R Cawtorne, (618) 256-2701.</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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS		4. PROJECT TITLE CONSTRUCT SHILOH GATE (AT/FP)	
5. PROGRAM ELEMENT 28047	6. CATEGORY CODE 730-839	7. PROJECT NUMBER VDYD020118	8. PROJECT COST (\$000) 1,900
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-02
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2003			0%
. (d) Date 35% Designed			30-DEC-02
(e) Date Design Complete			15-AUG-03
(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			540
(b) All Other Design Costs			360
(c) Total			900
(d) Contract			700
(e) In-house			200
(4) Construction Contract Award			03 SEP
(5) Construction Start			03 OCT
(6) Construction Completion			04 OCT
. 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)
EQUIPMENT FROM OTHER APPROP	522	2003	110

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE NEW JERSEY				COMMAND: 4. AIR MOBILITY COMMAND			5. AREA CONST COST INDEX 1.17				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
AS OF 30 SEP 02	960	3226	2740	450	2909	0	78	1680	84	12,127	
END FY 2007	847	2763	2739	439	2819	0	78	1680	84	11,443	
7. INVENTORY DATA (\$000)											
Total Acreage:		3,661									
Inventory Total as of : (30 Sep 02)										1,492,067	
Authorization Not Yet in Inventory:										81,400	
Authorization Requested in this Program:										11,627	
Authorization Included in the Following Program: (FY 2005)										0	
Planned in Next Four Years Program:										106,900	
Remaining Deficiency:										54,400	
Grand Total:										1,746,394	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)											
CATEGORY				SCOPE			COST \$,000		DESIGN START		STATUS C M P L
CODE	PROJECT TITLE			SCOPE			\$,000		START		C M P L
211-157	C-17 Maintenance Training Device Facility			2,230 SM			6,862		Apr-02		Sep-03
222-245	C-II-Roads & Utilities			1 LS			4,765		Apr-02		Sep-03
TOTAL							11.627				
9a. Future Projects: Included in the Following Program: (FY2005) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
CODE	PROJECT TITLE			SCOPE			COST \$,000				
136-667	Airfield Infrastructure			151,484 SM			12,800				
171-815	Add/Alter NCOA Academic Facilities			13,790 SM			20,000				
422-264	Munitions Storage Area			1,945 SM			7,200				
610-243	Consolidated Air Mobility Sq Fac (3 Sq)			2,450 SM			17,000				
610-243	AMOG/AMOS Headquarters			2,450 SM			7,100				
724-417	Air Mobility Warfare Center Lodging			5,600 SM			15,000				
312-225	Electrical Distribution System			10,010 SM			11,800				
342-245	Water Distribution System			45,000 LM			16,000				
9c. Real Property Maintenance Backlog This Installation										112,176	
10. Mission or Major Functions: Headquarters, 21st Air Force; an air mobility wing with one C-141 squadron and two KC-10 squadrons; an Air Mobility Operations Group (AMOG), the Air Mobility Command Warfare Center; and AFRC C-141/KC-10 associate air mobility wing; and a New Jersey Air National Guard air refueling with two KC-135 squadrons.											
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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		4. PROJECT TITLE C-17 ROADS & UTILITIES	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 022-245	7. PROJECT NUMBER PTPL043001	8. PROJECT COST (\$000) Auth: 4,903 Approp: 4,765
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
C-17 ROADS & UTILITIES	LS		3,597
HOT WATER LINES	LM	750	1,465 (1,099
WATER MAINS	LM	975	422 (411
ROADS/PAVEMENTS	LM	1,425	705 (1,005
ANOG COVERED STORAGE	SM	2,322	158 (367
ELECTRICAL DISTRIBUTION	LM	884	300 (265
UTILITIES	LS		(450
SUPPORTING FACILITIES			783
SITE IMPROVEMENTS	I LS	I	(251
COMMUNICATIONS SUPPORT	LS		(533
SDBTOTAL			4,380
CONTINGRNCY (5.0 %)			219
TOTAL CONTRACT COST			4,599
SUPERVISION, INSPECTION AWD OVERHEAD (5.7 %)			262
TOTAL REQUEST			4,861
TOTAL REQUEST (ROUNDED)			4,903
10. Description of Proposed Construction: Place above ground hot temperature hot water heat lines (HTHW) underground, place main electrical distribution lines underground, replace main water lines, provide communications support, and reconfigure roads and parking lots to support C-17 Beddown. Replace 2,322 SM Air Mobility Operations Group (AMOG) covered storage which impairs construction for the reconfiguration of the roadways and parking lot.			
11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS			
PROJECT: C-17 Roads and Utilities. (New Mission)			
REQUIREMENT: Upgrade existing utilities and roads to support the beddown of a C-17 squadron. Additional space to support over 30,000 SM of facilities will require comparable supporting infrastructure. State-of-the-art electrical, mechanical, and information systems will be used in the new facilities and these systems rely on functioning electrical and mechanical systems for proper performance. Additionally, an adequate functioning water distribution system is needed to provide fire protection to the new facilities. The Maintenance Training Device facility (MTD), alone, will have over \$85M worth of training devices that need to be protected. Existing roads and parking lots need to be reconfigured to provide the most efficient way of transporting maintainers,			
CURRENT SITUATION: A roads and utilities project was programmed for the the initial C-17 beddown. However, increased requirements have dictated larger infrastructure requirements. A new MTD, a larger C-17 Sq Ops/AMU, and additional force protection requirements contributed to these new infrastructure requirements. The 36,000 SF MTD (a new requirement) will require additional HTHW, electrical distribution and domestic			

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		4. PROJECT TITLE C-17 ROADS & UTILITIES	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 822-245	7. PROJECT NUMBER PTFL043001	8. PROJECT COST (\$000) 4,903
<p>water capacity not originally programmed. The Total Force concept (both Active Duty and Reserves in one facility) added approximately 13,000 SF to the facility and increased the demand of the infrastructure supplying the facility. The addition of over 485,000 Cu Ft to the C-17 Nose Dock requires the HTHW main to be increased to accommodate this requirement. The existing 12" cement asbestos main water line is over 40 years old and can not be expected to handle the new and increased requirements of the C-17 beddown. The lack of shutoffs and the age of the pipe make connection of the the new facilities to the main line extremely difficult and will immediately become a maintenance problem. With the amount of equipment and training devices going into the C-17 campus, a functioning water distribution system is necessary. To accommodate Force Protection requirements existing roadways; White Street, Chaffee Ave. and Grissom Road, need to be reconfigured to provide proper access, with proper setbacks, to the C-17 Maintenance Hangar, the C-17 Sq Ops/AMU, the C-17 Nose Dock, and the existing LG Headquarters. In addition to the roadway reconfiguration, parking requirements have been changed and the reconfiguration of existing parking lots adjacent the C-17 campus need to be accomplished. To satisfy the parking requirements for the C-17 campus 25,000 SP of AMOG covered storage needs to be relocated to the AMOG campus.</p> <p>IMPACT IF NOT PROVIDED: Without adequate HTHW, electrical, and communications systems the C-17 beddown can not be completed. Over \$85M worth of training devices in one facility (MTD) will be at risk. Additonally, the flight simulator has over \$16M in assets and the Sq Ops/AMU will have over \$2M in equipment and computers. State-of-the-art equipment for the shops in the C-17 Maintenance Hangar and Nose Dock, the training devices in the MTD, and the computers and equipment in the Sq Ops/AMU are subject to damage/loss if proper infrastructure support and protection does not exist.</p> <p>ADDITIONAL: This project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Civil Engineering Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates repair of existing infrastructure is the only option that meets operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Col Charles P Smiley (609) 754-2642</p> <p>JOINT USE CERTIFICATION: 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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		4. PROJECT TITLE C-17 ROADS & UTILITIES	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 022-245	7. PROJECT NUMBER PTPL043001	8. PROJECT COST (\$000) 4,903
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		02-APR-02	
(b) Parametric Cost Estimates used to develop costs		YES	
• (c) Percent Complete as of 01 JAN 2003		15%	
(d) Date 35% Designed		15-SEP-02	
(e) Date Design Complete		20-SEP-03	
(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		300	
(b) All Other Design Costs		150	
(c) Total		450	
(d) Contract		400	
(e) In-house		50	
(4) Construction Contract Award		03 DEC	
(5) Construction Start		04 JAN	
(6) Construction Completion		04 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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE																																																																																															
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY			4. PROJECT TITLE C-17 MAINTENANCE TRAINING DEVICE FACILITY																																																																																																
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 211-157	7. PROJECT NUMBER PTFL053000S	8. PROJECT COST (\$000) Auth: 6,958 Approp: 6,862																																																																																																
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<table border="1"> <thead> <tr> <th>ITEM</th> <th>U/M</th> <th>QUANTITY</th> <th>UNIT</th> <th>COST</th> </tr> </thead> <tbody> <tr> <td>C-17 MAINTENANCE TRAINING DEVICE FACILITY</td> <td>LS</td> <td></td> <td></td> <td>4,963</td> </tr> <tr> <td>HIGH BAY TECH TRAINING</td> <td>SM</td> <td>1,376</td> <td>1,205</td> <td>(1,658)</td> </tr> <tr> <td>FIELD TRAINING DETACHMENT</td> <td>SM</td> <td>1,191</td> <td>1,549</td> <td>(1,845)</td> </tr> <tr> <td>MAINTENANCE QUALIFICATIONS TRAINING</td> <td>SM</td> <td>895</td> <td>1,549</td> <td>(1,386)</td> </tr> <tr> <td>AT/FP PHYSICAL SECURITY MEASURES</td> <td>SM</td> <td>3,462</td> <td>21</td> <td>(74)</td> </tr> <tr> <td>SUPPORTING FACILITIES</td> <td></td> <td></td> <td></td> <td>1,343</td> </tr> <tr> <td>UTILITIES</td> <td>LS</td> <td></td> <td></td> <td>(400)</td> </tr> <tr> <td>PAVEMENTS</td> <td>LS</td> <td></td> <td></td> <td>(111)</td> </tr> <tr> <td>SITS IMPROVEMENTS</td> <td>LS</td> <td></td> <td></td> <td>(212)</td> </tr> <tr> <td>DEMOLITION</td> <td>SM</td> <td>1,862</td> <td>173</td> <td>(322)</td> </tr> <tr> <td>COMMUNICATIONS SUPPORT</td> <td>LS</td> <td></td> <td></td> <td>(299)</td> </tr> <tr> <td>SUBTOTAL</td> <td></td> <td></td> <td></td> <td>6,306</td> </tr> <tr> <td>CONTINGENCY (5.0 %)</td> <td></td> <td></td> <td></td> <td>315</td> </tr> <tr> <td>TOTAL CONTRACT COST</td> <td></td> <td></td> <td></td> <td>6,622</td> </tr> <tr> <td>SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)</td> <td></td> <td></td> <td></td> <td>377</td> </tr> <tr> <td>TOTAL REQUEST</td> <td></td> <td></td> <td></td> <td>6,999</td> </tr> <tr> <td>TOTAL REQUEST (ROUNDED)</td> <td></td> <td></td> <td></td> <td>6,958</td> </tr> <tr> <td>EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)</td> <td></td> <td></td> <td></td> <td>(99,225.0)</td> </tr> </tbody> </table>					ITEM	U/M	QUANTITY	UNIT	COST	C-17 MAINTENANCE TRAINING DEVICE FACILITY	LS			4,963	HIGH BAY TECH TRAINING	SM	1,376	1,205	(1,658)	FIELD TRAINING DETACHMENT	SM	1,191	1,549	(1,845)	MAINTENANCE QUALIFICATIONS TRAINING	SM	895	1,549	(1,386)	AT/FP PHYSICAL SECURITY MEASURES	SM	3,462	21	(74)	SUPPORTING FACILITIES				1,343	UTILITIES	LS			(400)	PAVEMENTS	LS			(111)	SITS IMPROVEMENTS	LS			(212)	DEMOLITION	SM	1,862	173	(322)	COMMUNICATIONS SUPPORT	LS			(299)	SUBTOTAL				6,306	CONTINGENCY (5.0 %)				315	TOTAL CONTRACT COST				6,622	SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				377	TOTAL REQUEST				6,999	TOTAL REQUEST (ROUNDED)				6,958	EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(99,225.0)
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<p>10. Description of Proposed Construction: Single story facility with five high bays. Facility to include reinforced concrete foundation and floor slab, masonry exterior walls with brick veneer, metal sloped roof, electrical/mechanical/fire detection and suppression/communications systems, utilities, site support, all necessary and required work associated with this project, and AT/FP physical security. Demolish one facility (1,862)</p>																																																																																																			
<p>1. REQUIREMENT: 3,461 SM ADEQUATE: 0 SM SUBSTANDARD: 1,506 SM</p>																																																																																																			
<p>PROJECT: Construct a C-17 Maintenance Training Device Facility (New Mission).</p>																																																																																																			
<p>REQUIREMENT: As part of the C-17 Aircrew Training System (ATS) a Maintenance Training Device Facility (MTD) is required. The MTD provides tools and classrooms to provide specialized hands-on instruction for C-17 maintenance. Force protection measures will be incorporated in accordance with the IAW USAF Installation Force Protection Guide. Relocate KC-10 and Maintenance Qualifications Training Program (MQTP) function (being demolished in FY03-15 Squad Ops/AMU) to MTD facility.</p>																																																																																																			
<p>CURRENT SITUATION: Currently, a facility that accommodates the specialized height and bay size requirements needed by the C-17 does not exist. The existing Field Training Facility is currently being used for KC-10 and C-141 training and will be demolished with the retirement of the C-141's. The site of the existing FTD is constrained on all sides and could not accommodate an addition as additional force protection requirements are addressed. Additionally, due to the configuration and size of the facility and the</p>																																																																																																			

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		4. PROJECT TITLE C-17 MAINTENANCE TRAINING DEVICE FACILITY	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 211-157	7. PROJECT NUMBER PTFL053000S	8. PROJECT COST (\$000) 6,958
<p>increased space driven by the large training devices, it is not economically feasible to alter the existing facility. One facility (1,862 SW) in the way of construction will be demolished as part of this project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without training devices in place, maintenance training will need to be accomplished on assigned operational aircraft. The special type of maintenance required will remove two aircraft from operational flying status when maintenance is done. Both maintenance and flying training will be hindered due to lack of adequate training time. The beddown and safe operation of the C-17 aircraft will not be accomplished without providing a required maintenance training device facility. Training at another location would incur additional TDY costs and a negative impact on maintenance due to maintainers being in transit for training.</p> <p><u>ADDITIONAL:</u> Facility will accommodate students, instructors, maintenance support, and administration personnel. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide.. However, this project does meet 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, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Charles Smiley, (609) 754-6188. C-17 Maintenance Training Device facility conversion data - 3,461 SF = 37,378 SM.</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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		4. PROJECT TITLE C-17 MAINTENANCE TRAINING DEVICE FACILITY	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 211-157	7. PROJECT NUMBER PTFL053000S	8. PROJECT COST (\$000) 6,958
1 2 . SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			02-APR-02
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2003			15%
• (d) Date 35% Designed			02-AUG-02
(e) Date Design Complete			15-SEP-03
(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			348
(b) All Other Design Costs			300
(c) Total			648
(d) Contract			528
(e) In-house			120
(4) Construction Contract Award			03 DEC
(5) Construction Start			04 MAR
(6) Construction Completion			05 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:			
	PROCURING	FISCAL YEAR	COST
EQUIPMENT NOMENCLATURE	APPROPRIATION	APPROPRIATED	(\$000)
		OR REQUESTED	
BRIDGE CRANES	3080	2004	225
TRAINING DEVICES	3080	2005	99,000

1. COMPONENT AIR FORCE			FY 2004 MILITARY CONSTRUCTION PROGRAM				2. DATE				
INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE NEW MEXICO				COMMAND: AIR FORCE MATERIEL COMMAND			5. AREA CONST COST INDEX 0.99				
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 02		1098	1352	1787	88	240	94	85	147	1,717	6,608
END FY 2007		1081	1319	1793	88	240	94	85	147	1717	6,564
7. INVENTORY DATA (\$000)											
Total Acreage:		44,066									
Inventory Total as of : (30 Sep 02)										594,159	
Authorization Not Yet in Inventory:										54,427	
Authorization Requested in this Program:										6,957	
Authorization Included in the Following Program: (FY 2005)										0	
Planned in Next Four Years Program:										124,400	
Remaining Deficiency:										32,000	
Grand Total:										811,943	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)											
CATEGORY						COST		DESIGN		STATUS	
CODE	PROJECT TITLE	SCOPE				\$,000	START	CMPL			
841-165	Arsenic Treatment Systems	1 LS				6,957	Design-Build				
Total					6,957						
9a. Future Projects: Included in the Following Program: (FY2005)								No Projects			
9b. Future Projects: Typical Planned Next Four Years:											
141-764	Add to and Alter National Assessment Group HQ Facility	3,418 SM				10,200					
171-627	Technical Training Support Facility	790 SM				1,950					
211-159	Corrosion Control Facility	2,250 SM				6,200					
214-425	Transportation Complex	4,755 SM				14,800					
310-924	Consolidate Advanced High Power Microwave Lab, Ph 1	3,235 SM				12,000					
310-924	Consolidate Advanced High Power Microwave Lab, Ph 2	3,359 SM				11,800					
310-931	Replace High Power Gas Laser	1,303 SM				8,400					
312-472	Consolidate Space Vehicles Component Dev Lab	3,000 SM				12,000					
731-835	Central Security Control Facility	1,600 SM				14,800					
731-835	Security Forces Complex	1 LS				10,000					
736-773	Chapel Expansion	595 SM				1,250					
813-231	Electrical Power Main Switching Station	1 LS				4,000					
901-147	Reconstruct/Widen Wyoming Road, Ph 1	1 LS				9,000					
901-147	Reconstruct/Widen Wyoming Road, Ph II	1 LS				8,000					
9c. Real Property Maintenance Backlog This Installation										121	
10. Mission or Major Functions: An air base wing; a special operations wing with HH-60, UH-1N, TH-53, MH-53, MC-130 and HC-130 aircraft; Air Force Research Laboratory research site locations for directed energy, space vehicle, and T&E directorates; AF Inspection Agency; AF Operational Test & Evaluation Center; AF Safety Center; and an Air National Guard fighter wing with F-16 aircraft.											
11. Outstanding pollution and Safety (OSHA Deficiencies:											
a. Air pollution								0			
b. Water Pollution								75			
c. Occupational Safety and Health								0			
d. Other Environmental								0			

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE ARSENIC TREATMENT SYSTEMS			
5. PROGRAM ELEMENT 78056	6. CATEGORY CODE 841-165	7. PROJECT NUMBER MHMV013010	8. PROJECT COST (\$000) Auth: 7,097 Approp: 6,957		
9. COST ESTIMATES					
	ITEM	U/M	QUANTITY	UNIT	COST
	ARSENIC TREATMENT SYSTEMS	LS			6,400
	SUPPORTING FACILITIES				0
	SUBTOTAL				6,400
	CONTINGENCY (5.0 %)				320
	TOTAL CONTRACT COST				6,720
	SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				383
	TOTAL REQUEST				7,103
	TOTAL REQUEST (ROUNDED)				7,097
10. Description of Proposed Construction: Install arsenic treatment systems to reduce arsenic lmls in KAFB drinking water production wells #15 and #16 to comply with EPA's newly established maximum contaminant level (MCL) for arsenic. Treatment systems will include all required infrastructure upgrades, pumps, piping, and system controls.					
11. REQUIREMENT: LS ADEQUATE: 0 LS SUBSTANDARD: 0 LS					
PROJECT: Install arsenic treatment systems. (Current Mission)					
REQUIREMENT: This is a level 1 environmental compliance project. on 22 Jan 01, the EPA issued a final ruling reducing the MCL for arsenic in drinking water from 50 ug/L to 10 ug/L (66 FR 6976; 40 CFR Parts 9, 141, 142; National Primary Drinking Water Regulations, Arsenic and Clarifications to Compliance and New Source Contaminants Monitoring; Final Rule). This final ruling, effective 23 Mar 01, established 23 Jan 06, as the date water suppliers are to be in full compliance with the revised MCL. On 31 Oct 01 EPA announced its decision to move forward in implementing the arsenic standard for drinking water at 10 ug/L. on 27 Nov 01, the President signed the new MCL into law. Because KAFB's potable water supply is a community water system (CWS), and well X15 and X16 produce water with arsenic concentrations ranging from 13 to 24 ug/L, treatment systems will need to be installed to reduce current arsenic levels to the new MCL.					
CURRENT SITUATION: KAFB's entire water supply and distribution system is located on the base reservation and supports 20,640 base employees and 4,000 family housing residents. Two of the system's production wells (Wells #15 and #16) will be affected by the new arsenic standard. These wells currently produce water with arsenic concentrations ranging from 13 to 24 ug/L; therefore, the arsenic levels must be reduced to meet the new EPA MCL for drinking water.					
IMPACT IF NOT PROVIDED: Inability to reduce arsenic levels in KAFB's potable water wells would result in violations and non-compliance with the Federal Safe Drinking Water Act and DoD and USAF directives and instructions that require DoD CWSs to comply with established drinking water regulations and to provide its users drinking water that meets the water quality standards set forth in 40 CFR 141. Failure to lower current arsenic levels to the new standard could result in an EPA and/or State administrative penalty of \$25,000 and court imposed fines of \$27,500 per day per violation.					
ADDITIONAL: There is no criteria/scope for this project specified in Air Force Handbook 32-1084, "Facility Requirements." The scope of the project is based on the actual A/E					

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE ARSENIC TREATMENT SYSTEMS		
5. PROGRAM ELEMENT 78056	6. CATEGORY CODE 841-165	7. PROJECT NUMBER MMV013010	8. PROJECT COST (\$000) 7,097	
<p>study. All known alternatives were considered during the development of this project. No option could meet the mission requirements, therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Base Civil Engineer : Mr. Brent Wilson (505) 846-7916. Design Build - Design Cost (4% of Subtotal Cost): \$256,000.</p> <p>JOINT USE CERTIFICATION: 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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE ARSENIC TREATMENT SYSTEMS	
5. PROGRAM ELEMENT 78056	6. CATEGORY CODS 841-165	7. PROJECT NUMBER MHMV013010	8. PROJECT COST (\$000, 7,097
<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 192</p> <p>(4) Construction Contract Award 03 DEC</p> <p>(5) Construction start 04 JAN</p> <p>(6) Construction Completion 05 APR</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>			

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROGRAM						2. DATE			
INSTALLATION AND LOCATION TULAROSA RADAR TEST SITE NEW MEXICO				COMMAND: AIR FORCE MATERIEL COMMAND			5. AREA CONST COST INDEX 0.98				
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02		14	22	36						30	102
END FY 2007		14	22	36						30	102
7. INVENTORY DATA (\$000)											
Total Acreage:		5									
Inventory Total as of : (30 Sep 02)										48,009	
Authorization Not Yet in Inventory:										0	
Authorization Requested in this Program:										3,600	
Authorization Included in the Following Program: (FY 2005)										0	
Planned in Next Four Years Program:										0	
Remaining Deficiency:										0	
Grand Total:										51,009	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)											
CATEGORY							COST		DESIGN		STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>		<u>\$,000</u>	<u>START</u>	<u>C M P L</u>					
390-3 11	Upgrade Radar Test Facility	2,930	SM	3,600	Design	Build					
Total				3,600							
9a. Future Projects: Included in the Following Program: (FY2005)											
None											
9b. Future Projects: Typical Planned Next Four Years:											
None											
9c. Real Property Maintenance Backlog This Installation										2	
10. Mission or Major Functions: This is a radar test site assigned to the 46th Test Group at Holloman AFB. The National Radar Cross Section Test Facility (NRTF) is a one-of-a-kind facility combining the best of monostatic and bistatic radar cross-section measurements.											
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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION TULAROSA RADAR TEST SITE, NEW MEXICO			4. PROJECT TITLE UPGRADE RADAR TEST FACILITY		
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 390-311	7. PROJECT NUMBER TUAL043007	8. PROJECT COST (\$000) 3,600		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST
UPGRADE RADAR TEST FACILITY		SM	2,930	0	2,204
ADMINISTRATION/SHOP FACILITIES		SM	678	1,426	(967)
PAINT FACILITY		SM	929	554	(515)
TARGET STORAGE FACILITIES		SM	1,300	532	(692)
ENTRANCE FACILITY		SM	23	1,340	(31)
SUPPORTING FACILITIES					1,041
UTILITIES		LS			(275)
SITE IMPROVEMENT		LS			(115)
PAVEMENT		LS			(305)
DEMOLITION		SM	724	208	(151)
OVERHEAD CRANES		LS			(162)
COMMUNICATIONS SUPPORT		LS			(33)
SUBTOTAL					3,245
CONTINGENCY (5.0 %)					162
TOTAL CONTRACT COST					3,407
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)					194
TOTAL REQUEST					3,601
TOTAL REQUEST (ROUNDED)					3,600
<p>to. Description of Proposed Construction: Construct three pre-engineered metal buildings, with concrete slab on gradee. and overhead bridge cranes for target etorage and target painting. The remaining facilities are maeonry block construction with concrete slab-on-grade and standing seam roofing. Includes all utilities and site work, new road, and burying the existing overhead power lines. Demolish three facilities totaling 724 SM.</p>					
<p>11. REQUIREMENT: 5,809 SM ADEQUATE: 929 SM SUBSTANDARD: 701 SM PROJECT: Upgrade Radar Test Facility. (Current Mission) REQUIREMENT: An upgrade to the NRTF, the nation's premier test facility for RCS measurements, is required to accommodate the additional workload generated by the partnering of the Air Force with the Boeing Company and the consolidation of the Army and Navy RCS testing at the NRTF. In addition, a new pilot program to encourage cooperative relationships with non-DoD users and industry requires additional capabilities at the NRTF. Two new target preparation/storage buildings and a paint Facility are required to support the additional classified targets being shipped by industry and other services as they close their ranges and move their workload to the NRTF. Project includes permanent administration and shop space, a new guardhouse, and improved access to the test site with a new road and burying existing overhead power lines. CURRENT SITUATION: The current workload generated by the Army, Navy and Boeing closing their RCS test facilities cannot be accommodated with the existing infrastructure at the</p>					

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION TULAROSA RADAR TEST SITE, NEW MEXICO		4. PROJECT TITLE UPGRADE RADAR TEST FACILITY	
5. PROGRAM ELEMENT 72006	6. CATEGORY CODE 390-311	7. PROJECT NUMBER TUAL043007	8. PROJECT COST (\$000) 3,600
<p>VRTF. There is a significant lack of storage and test preparation facilities for classified targets. Classified Special Access Program targets cannot be co-located and therefore each full-scale target requires independent storage. The existing administrative and ehop functions are located in obsolete temporary facilities that have degraded over time and do not meet the needs of the customers. The existing entrance gate house is inadequate to house the personnel and modern security equipment needed to monitor and control the existing and proposed classified test assets 24 hours a day 7 days a week. Overhead power lines are impinging on the transportation of targets to and from the storage facilities to the test range. The only existing road from the storage buildings is routed such that the high-value, classified targets have to be transported 2 miles up the range and then back down an additional 2 miles during adverse conditions with increased security risks.</p> <p>IMPACT IF NOT PROVIDED: Future DoD high priority programs would have to be turned away due to insufficient space to house, protect, and maintain their targets. DoD's ability to develop the next generation of low observable targets would be significantly degraded. Pilot programs to support the cooperative relationships with non-DoD users and industry will be delayed or eliminated.</p> <p>ADDITIONAL: This projects 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. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Edward Piekarczyk, (505) 572 3071. Upgrade National RCS Test Facility: 2,930SM = 31,527SF. Design Build - Design Build Cost (4% of Subtotal Cost): \$130,000.</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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION TULAROSA RADAR TEST SITE, NEW MEXICO		4. PROJECT TITLE UPGRADE RADAR TEST FACILITY	
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 390-311	7. PROJECT. NUMBER TUAL043007	8. PROJECT COST (\$000) 3,600
<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 98</p> <p>(4) Construction Contract Award 03 DEC</p> <p>(5) Construction Start 04 JAW</p> <p>(6) Construction Completion 04 DEC</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 2004 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE NORTH CAROLINA				4. COMMAND: AIR MOBILITY COMMAND			5. AREA CONST COST INDEX 0.88				
3. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 02		471	2932	483	10	60	5	224	1307	23	5,515
END FY 2007											0
7. INVENTORY DATA (\$000)											
Total Acreage:		1875									
Inventory Total as of: (30 Sep 02)										254,967	
Authorization Not Yet in Inventory:										27,2010	
Authorization Requested in this Program:										24,015	
Authorization Included in the Following Program: (FY 2005)										9,643	
Planned in Next Four Years Program:										48,800	
Remaining Deficiency:										51,200	
Grand Total:										415,825	
3. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)											
CATEGORY		PROJECT TITLE			SCOPE		COST \$,000		DESIGN STATUS		
CODE								START	C M P L		
13-321		C-I 30J-30 Ramp Upgrade			1 LS		1,239	Apr-02	Sep-03		
171-625		C-I 30J-30 Technical Training Facility			3,679 SM		4,431	May-02	Sep-03		
111-111		C-I 30J-30 Upgrade Hangar 6			1 LS		2,716	May-02	Aug-03		
111-11		C-I 30J-30 2-Bay Hangar			5,388 SM		15,629	May-02	Sep-03		
TOTAL							24,015				
1a. Future Projects: Included in the Following Program: (FY2005)											
21-312		Dormitory			144 RM		9,643				
TOTAL							9,643				
1b. Future Projects: Typical Planned Next Four Years:											
149-692		Fire Station/Control Tower			3,599 SM		14,000				
218-712		Construct AGE Facility			2,800 SM		7,200				
221-312		Dormitory			120 RM		8,000				
221--312		Dormitory			96 RM		6,800				
235-441		Education-PME Center/Library			5324 SM		12,800				
1c. Real Property Maintenance Backlog This Installation										266,000	
1d. Mission or Major Functions: Pope AFB is an Air Mobility Command asset. The base supports the 43d Airlift Wing (C-I 30), the 23d Fighter Group (A-I 0), an Aerial Port Squadron, and a Medical Evacuation squadron. The base's primary mission is support of Army Airborne Division at adjacent Fort Bragg.											
1e. 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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION POPE NR FORCE BASE, NORTH CAROLINA			4. PROJECT TITLE C-130J-30 RAMP UPGRADE	
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 113-321	7. PROJECT NUMBER TMKH036005A	8. PROJECT COST (\$000) Auth: 1,264 Approp: 1,239	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT	COST
C-1305-30 RAMP UPGRADE	Ls			1,059
SUPPORTING FACILITIES				80
SITE IMPROVEMENTS	Ls			(80)
SUBTOTAL				1,139
CONTINGENCY (5.0 %)				57
TOTAL CONTRACT COST				1,196
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				68
TOTAL REQUEST				1,264
TOTAL REQUEST (ROUNDED)				1,264
10. Description of Proposed Construction: Project installs tie downs configured for C-130J30 aircraft, fills two grass wale on the south end of the Blue Ramp, and restripes taxiways and parking spots. This project is a design/build project.				
11. REQUIREMENT: LS ADEQUATE: Ls SUBSTANDARD: LS PROJECT: Upgrade C-130J-30 Ramp. (New Mission) REQUIREMENT: Install new aircraft tie downs, fill two grass wale on south end of Blue Ramp, and restripe taxiways and parking spots. CURRENT SITUATION: The current ramp space is set up to accommodate the C-130E. Rearrangement of these spots is needed to provide sufficient parking space for the C-130J-30, which is 15 feet longer. Two of the grass ovals at the south end of the ramp are currently located where the C-130Js will taxi after the spots are rearranged. IMPACT IF NOT PROVIDED: The clear sons requirements between parked aircraft and taxiing aircraft will not be able to be maintained. This will cause parts of the apron to be shut down and not be used. This will not work, due to the limited space at Pope AFB. ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-L084, "Facility Requirements." Ease Civil Engineer: Lt Col James E. Welter, (910) 394-1561. JOINT USE CERTIFICATION: 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.				

1. COMPONENT NR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE																										
3. INSTALLATION AND LOCATION POPE NR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE C-130J-30 RAMP UPGRADE																											
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 113-321	7. PROJECT NUMBER TMKH036005A	8. PROJECT COST (\$000) 1,264																										
<p>12. SUPP-AL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>10-APR-02</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 2003</td> <td>15%</td> </tr> <tr> <td>• (d) Date 35% Designed</td> <td>15-SEP-02</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>15-SEP-03</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 border="0"> <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 border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>78</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>39</td> </tr> <tr> <td>(c) Total</td> <td>117</td> </tr> <tr> <td>(d) Contract</td> <td>100</td> </tr> <tr> <td>(e) In-house</td> <td>17</td> </tr> </table> <p>(4) Construction Contract Award 03 DEC</p> <p>(5) Construction Start 04 JAN</p> <p>(6) Construction Completion 04 OCT</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	10-APR-02	(b) Parametric Cost Estimates used to develop costs	YES	• (c) Percent Complete as of 01 JAN 2003	15%	• (d) Date 35% Designed	15-SEP-02	(e) Date Design Complete	15-SEP-03	(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	78	(b) All Other Design Costs	39	(c) Total	117	(d) Contract	100	(e) In-house	17
(a) Date Design Started	10-APR-02																												
(b) Parametric Cost Estimates used to develop costs	YES																												
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• (d) Date 35% Designed	15-SEP-02																												
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(e) In-house	17																												

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE C-130J-30 TECH TRAINING FACILITY	
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 171-625	7. PROJECT NUMBER TMKH043001	8. PROJECT COST (\$600) Auth: 4,520 Approp: 4,431
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
C-130J-30 TECHNICAL TRAINING FACILITY	LS		3,249
C-130J FIELD TRAINING FACILITY	SM	3,679	879 (3,234)
AT/FP PHYSICAL SECURITY MEASURES	SM	3,679	4 (15)
SUPPORTING FACILITIES			025
UTILITIES	LS		(95)
PAVEMENTS	LS		(101)
SITE IMPROVEMENTS	LS		(118)
COMMUNICATIONS SUPPORT	LS		(100)
RELOCATE LOADING DOCKS TO B720	LS		(411)
SUBTOTAL			4,074
CONTINGENCY (5.0 %)			204
TOTAL CONTRACT COST			4,277
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)			244
TOTAL REQUEST			4,521
TOTAL REQUEST (ROUNDED)			4,520
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)			(691.0)
<p>L0. Description of Proposed Construction: Construct training device high bays, classrooms, and administrative office space in the base supply warehouse, building 560, loading dock at building 720 and all necessary required work associated with this project. Includes AT/FP physical security IAW DoD minimum construction standard, and fire detection/suppression IAW Mil Handbook 1008C.</p>			
<p>L1. REQUIREMENT: 3,679 SM ADEQUATE: 0 SM SUBSTANDARD : 0 SM</p> <p>PROJECT: Construct a C-130J-30 Field Training facility. (New Mission)</p> <p>REQUIREMENT: Relocate entire Field Training Detachment (FTD) and Maintenance Training Detachment (MTD) to Building 560 from Buildings 617, 177, and 164. Construct loading docks at the Aircraft Parts Store (B720) to replace the lost dock space - Building 560. This will be a design/build project.</p> <p>CURRENT SITUATION: Current space is inadequate with units decentralized on opposite sides of the runway. The classrooms are located on the North side of the runway, while the training rooms are located on the South side of the runway. This leads to low levels of efficiency in technical training, which can lead to delays of mission readiness. In addition, the existing high bay room for C-130 training devices is not adequately sized for the C-130J-30.</p> <p>IMPACT IF NOT PROVIDED: Separated training facilities will increase the likelihood of inefficient technical training for C-130 maintenance crews. When the C-130J-30 arrives, there will be inadequate space to house training devices. Technical maintenance training will not occur. Mission readiness is directly impacted without experienced and trained C-130J-30 maintenance technicians.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-</p>			

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTE CAROLINA			4. PROJECT TITLE C-130J-30 TECH TRAINING FACILITY	
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 171-625	7. PROJECT NUMBER TMKH043001	8. PROJECT COST (\$000) 4,520	
<p>1084, "Facility Requirements". A preliminary economic analysis has been prepared to compare the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. A certificate of exception is being prepared. C-130J Technical Training Facility conversion data 3,679 SM = 39,586 SF. Base Civil Engineer: Lt Col James E. Welter, (910) 394-2561.</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE C-130J-30 TECH TRAINING FACILITY	
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 171-625	7. PROJECT NUMBER TMKH043001	8. PROJECT COST (\$000) 4,520
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			02-MAY-02
(b) Parametric Cost Estimates used to develop costs			YES
• (c) Percent Complete as of 01 JAN 2003			15%
• (d) Date 35% Designed			01-ADO-02
(e) Date Design Complete			01-SEP-03
(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			280
(b) All Other Design Coats			140
(c) Total			420
(d) Contract			372
(e) In-house			40
(4) Construction Contract Award			03 DEC
(5) Construction Start			04 WAR
(6) Construction Completion			05 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:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
ACTIVE COMMUNICATIONS	3400	2005	53
END USER DEVICES	3400	2005	343
FURNITURE	3400	2005	295

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA			4. PROJECT TITLE C-130J-30 UPGRADE HANGAR 6		
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 211-111	7. PROJECT NUMBER TMKH043003	8. PROJECT COST (\$000) Auth: 2,771 Approp: 2,716		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST
C-130J-30 UPGRADE HANGAR 6		Ls			2,400
STRUCTURAL		Ls			(550)
ELECTRICAL		Ls			(580)
MECHANICAL		Ls			(1,260)
FORCE PROTECTION		Ls			(10)
SUPPORTING FACILITIES					97
COMMUNICATIONS		Ls			(46)
INTERIOR DEMOLITION/LBP/ASBESTOS		Ls			(51)
SUBTOTAL					2,497
CONTINGENCY (5.0 %)					125
TOTAL CONTRACT COST					2,622
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)					149
TOTAL REQUEST					2,771
TOTAL REQUEST (ROUNDED)					2,771
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(42.0)
10. Description of Proposed Construction: Install high expansion foam system and overhead wet pipe system, replace overhead cranes, replace electrical transformer, repair hangar doors and replace windows. Replace mezzanine offices/stairs and install new air compressor. Asbestos and lead paint abatement . Include fire detection/supression IAW Mil Handbook 1008C.					
11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS					
PROJECT: Upgrade Bangar 6 to accommodate C-130J-30 aircraft. (New Mission)					
REQUIREMENT: Adequate hangar space for 43d Airlift Wing C-130J-30 aircraft. This project will also accommodate the MRC as part of that hangar (engine storage and some office space). This will be a design/build project.					
CURRENT SITUATION: The existing hangar does not have the required fire protection system. Overhead cranes are in poor condition and will not meet new mission requirements. The electrical transformer and panels are 1950's vintage and need replacement. The mezzanine offices are deteriorated to the point of reducing personnel productivity.					
IMPACT IF NOT PROVIDED: Inadequate covered aircraft maintenance space will impact the 43d Airlift Wing's ability to accomplish mission requirements. Without adequate fire protection, expensive aircraft and personnel will be at risk. The antiquated electrical equipment is a safety hazard and is difficult and time consuming to repair.					
ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.					

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE C-130J-30 UPGRADE HANGAR 6	
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 211-111	7. PROJECT NUMBER TMKH043003	8. PROJECT COST (\$000) 2,771
<p>Base Civil Engineer: Lt Col James E. Walter, (910) 394-2561.</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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE																																		
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE C-130J-30 UPGRADE HANGAR 6																																			
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 211-111	7. PROJECT NUMBER TMKH043003	8. PROJECT COST (\$000) 2,771																																		
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>01-MAY-02</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 2003</td> <td>15%</td> </tr> <tr> <td>• (d) Date 35% Designed</td> <td>15-AUG-02</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>29-AUG-03</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <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 border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>171</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>86</td> </tr> <tr> <td>(c) Total</td> <td>257</td> </tr> <tr> <td>(d) Contract</td> <td>227</td> </tr> <tr> <td>(e) In-house</td> <td>30</td> </tr> </table> <p>(4) Construction Contract Award 03 DEC</p> <p>(5) Construction Start 04 JAN</p> <p>(6) Construction Completion 05 JAN</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:</p> <table border="0"> <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>FURNITURE</td> <td>3400</td> <td>2006</td> <td>42</td> </tr> </tbody> </table>				(a) Date Design Started	01-MAY-02	(b) Parametric Cost Estimates used to develop costs	YES	• (c) Percent Complete as of 01 JAN 2003	15%	• (d) Date 35% Designed	15-AUG-02	(e) Date Design Complete	29-AUG-03	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	171	(b) All Other Design Costs	86	(c) Total	257	(d) Contract	227	(e) In-house	30	EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	FURNITURE	3400	2006	42
(a) Date Design Started	01-MAY-02																																				
(b) Parametric Cost Estimates used to develop costs	YES																																				
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FURNITURE	3400	2006	42																																		

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE C-130J-30 2-BAY HANGAR	
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 211-111	7. PROJECT NUMBER TMKH053001	8. PROJECT COST (\$000) Auth: 15,944 Approp: 15,629
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
C-130J-30-BAY HANGAR	LS		11,281
2-BAY HANGAR	SM	5,388	2,084 (11,229)
FORCE PROTECTION	LS		(52)
SUPPORTING FACILITIES			3,086
UTILITIES	LS		(484
PAVEMENTS	LS		(347
SITS IMPROVEMENTS	LS		(990
COMMUNICATIONS	LS		(295
DEMOLITION	SM	557	180 (100
RELOCATE 23 FG/OSS STORAGE FACILITY	SM	557	1,023 (570)
RELOCATE RAMP SECURITY LIGHTING	LS		(200)
REMOVE CONTAMINATED SOIL	LS		(100)
SUBTOTAL			14,366
CONTINGENCY (5.0 %)			718
TOTAL CONTRACT COST			15,085
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)			860
TOTAL REQUEST			15,945
TOTAL REQUEST (ROUNDED)			15,944
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)			(125)
0. Description of Proposed Construction: Reinforced concrete foundation and slab, structural steel frame and roof system, insulated metal walls, utilities and all necessary and required work associated with this project. Includes AT/FP physical security IAW DoD minimum construction standards and fire detection/suppression IAW Mil handbook 1008C.			
1. REQUIREMENT: 5,388 SM ADEQUATE: 5,388 SM SUBSTANDARD : 0 SM			
<u>REQUEST</u> : Construct a 2-Bay C-130J-30 hangar. (New Mission)			
<u>EQUIREMENT</u> : Adequate aircraft hangar maintenance facility for the C-130J-30 aircraft. This will be a design/build project.			
<u>URRENT SITUATION</u> : Pope AFB is scheduled to begin replacing the existing C-130 model aircraft with C-130J-30 aircraft in FY06. Pope AFB only has two maintenance bays that are adequately sized for the C-130J-30 aircraft. The existing C-130 nose docks are undersized and would not be cost effective to enlarge.			
<u>MPACT IF NOT PROVIDED</u> : Inadequate hangar space will result in maintenance delays and reduced mission readiness.			
<u>DDITIONAL</u> : This project meets the criteria/scope specified in Air Force Handbook 32-084, "Facility Requirements". A preliminary economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives,			

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE C-1303-30 2-BAY HANGAR	
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 211-111	7. PROJECT NUMBER TMKH053001	8. PROJECT COST (\$000) 15,944
<p>new construction was found to be the most cost efficient over the life of the project. Conversion data: 5,388 SM = 57,975 Sf. Base Civil Engineer: Lt Col James E. Welter, (910) 394-2561.</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 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA			4. PROJECT TITLE C-130J-30 2-BAY HANGAR	
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 211-111	7. PROJECT NUMBER TMKH053001	8. PROJECT COST (\$000) 15,944	
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 -				
(3) All Other Design Costs				492
(4) Construction Contract Award				04 JAW
(5) Construction Start				04 MAR
(6) Construction Completion				06 FEB
(7) Energy Study/Life-Cycle analysis was/will be performed				YES
b. Equipment associated with this project provided from other appropriations:				
EQUIPMENT NOMENCLATURE	ROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	
ACTIVE COMMUNICATIONS	3400	2006	53	
END USER DEVICES	3400	2006	34	
FURNITURE	3400	2006	38	

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA			4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 0.82				
6. Personnel Strength AS OF 30 SEP 02 END FY 2007	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	461	3874	389	36	76	10			170	
	461	3870	389	36	76	10			170	5,012
7. INVENTORY DATA (\$000)										
a. Total Acreage:										4,107
b. Inventory Total as of : (30 Sep 02)										791,711
c. Authorization Not Yet in Inventory:										10,600
d. Authorization Requested in this Program:										11,030
e. Authorization Included in the Following Program: (FY 2005)										0
f. Planned in Next Four Years Program:										74,695
g. Remaining Deficiency:										173,700
h. Grand Total:										1,061,736
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)										
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000		DESIGN START		STATUS CMPL
721-312		Domitorles (144 RM)		144RM		9,530		Mar-02		03
872-245		Boundry Fence		18,714 LM		1,500				
						Total				11,030
9a. Future Projects: Included in the Following Program: (FY2005)										
None										
9b. Future Projects: Typical Planned Next Four Years:										
211-177		Maintenance Dock/AGE Storage		6,381 SM		16,995				
619-128		Consolidated Support Center		6,388 SM		11,599				
619-243		Operations Group HQ Facility		6,646 SM		19,200				
721312		Dormitory (72 RM)		72 RM		4,700				
721-312		Dormitory (72 RM)		72 RM		4,900				
721-312		Dormitory (72 RM)		72 RM		5,690				
731-142		Fire/Crash rescue Stations		4,496 SM		11,800				
9c. Real Property Maintenance Backlog This Installation:										43
10. Mission or Major Functions: A fighter wing with 4 F-15E squadrons, including 2 which conduct all initial qualification training, and an Air Force Reserve KC-135 air refueling 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

Form 1390, 9 Jul 02

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA			4. PROJECT TITLE DORMITORIES (144 RM)		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 721-312	7. PROJECT NUMBER VKAG053000R1	8. PROJECT COST (\$000) Auth: 9,722 Approp: 9,530		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST
DORMITORIES		LS			6,921
TWO DORMITORIES		SM	4,744	1.444	(6,852)
ANTITERRORISM FORCE PROTECTION		LS			(69)
SUPPORTING FACILITIES					1,821
UTILITIES		LS			(420)
PAVEMENTS		LS			(409)
SITE IMPROVEMENTS		LS			(674)
CHILLER BUILDING		SM	41	1,276	(52)
SPECIAL FOUNDATIONS		LS			(175)
COMMUNICATIONS SUPPORT		LS			(91)
SUBTOTAL					8,143
CONTINGENCY (5.0 %)					437
TOTAL CONTRACT COST					9,180
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)					523
TOTAL REQUEST					9,703
TOTAL REQUEST (ROUNDED)					9,722
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(1,062.0)
10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, brick masonry walls and standing seam metal roof. Includes single occupancy rooms, laundry area, storage, lounge areas, seismic requirements, fire protection system, site preparation, parking, landscaping, utilities, and all necessary support. Includes minimum DoD force protection standards. Air Conditioning: 120 KW. Grade Mix: E1-E4 144					
11. REQUIREMENT: 1,116 RM ADEQUATE: 724 RM SUBSTANDARD: 0 RM PROJECT: Construct two 72 R- Dormitories. (Current Mission) REQUIREMENT: A major Air Force objective provides 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. The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. Complies with the DoD interim minimum force protection construction standards. CURRENT SITUATION: The base has insufficient on-base housing to accommodate the unaccompanied enlisted (E1 - E4) personnel. This project is prioritized in accordance with the Air Force Dormitory Master Plan. 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.					

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA			4. PROJECT TITLE DORMITORIES (144 RM)		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 721-312	7. PROJECT NUMBER VKAG053000R1	8. PROJECT COST (\$000) 9,722		
<p>ADDITIONAL: This project meets the scope/criteria specified in OSD's design and construction standards for unaccompanied enlisted personnel housing, published in Jun 01. All known alternatives were considered during the development of this project. No other option could meet mission requirements. Therefore, an economic analysis was not performed. FY01 Unaccompanied Housing RPM Conducted: \$338K; FY02 Unaccompanied Housing RPM Conducted: \$313X. Future Unaccompanied Housing RPM requirements (estimated): FY03: \$598K; FY04: \$0; FY05: \$0. Base Civil Engineer: Lt Col Kevin E. Rumsey, (919) 722-5142. Dormitories: 4,744 SM = 51,045 SF.</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.</p>					

L. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE DORMITORIES (144 RM)	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 721-312	7. PROJECT NUMBER VKAG053000R1	8. PROJECT COST (\$000) 9,722
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			28-MAR-02
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2003			15%
. (d) Date 35% Designed			01-AUG-02
(e) Date Design Complete			05-SEP-03
(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			
(b) All Other Design Costs			262
(c) Total			
(d) Contract			
(e) In-house			
(4) Construction Contract Award			04 JAN
(5) Construction Start			04 MAY
(6) Construction Completion			05 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)
COMMUNICATION EQUIP/WIRING	3400	2004	270
FURNISHINGS	3400	2004	792

1. COMPONENT AIR FORCE		FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA				4. PROJECT TITLE BOUNDARY FENCE		
5. PROGRAM ELEMENT 20047		6. CATEGORY CODE 906-245	7. PROJECT NUMBER VKAG033000		8. PROJECT COST (\$000) 1,500	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT	COST	
BOUNDARY FENCE (7 FEET CHAIN LINK)		LS			1,171	
FENCE		LM	18,741	63	(1,171)	
SUPPORTING FACILITIES					200	
CLEAR FENCE LINE AND GRUB		HA	4	4,500	(18)	
CONSTRUCT GRAVEL PERIMETER ROAD		LM	1,830	40	(73)	
STORM DRAINS, 18 INCH DIAMETER		LS			(28)	
GRASSING AND SEEDING		HA	4	1,500	(6)	
DEMO EXISTING FENCE		LM	9,315	8	(75)	
SUBTOTAL					1,371	
CONTINGENCY (5.0 %)					69	
TOTAL CONTRACT COST					1,440	
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)					82	
TOTAL REQUEST					1,522	
TOTAL REQUEST (ROUNDED)					1,500	
10. Description of Proposed Construction: Replace the existing six feet high chain link fence and hog wire fence along the South and East sides and along part of the North side of the base with a new Class A fence which has seven feet high chain link fabric topped with barbed wire. Also construct a new fence along the West side of the base and along the part of the North side of the base where there is not any fence.						
11. REQUIREMENT: 18,714 LM ADEQUATE: 0 LM SUBSTANDARD: 18,714 LM PROJECT: Construct a Class A Boundary Fence. (Current Mission) REQUIREMENT: An adequate boundary fence to provide resource protection of priority assets and security for base personnel. CURRENT SITUATION: The existing base boundary fence is currently substandard. There is no boundary fence along the West side of the base and there is no boundary fence along part of the North side of the base. The existing substandard fence consists of six feet Chain link fence and four feet hog wire fence. The fence needs to be replaced with Seven feet high chain link fence fabric topped with barbed wire. IMPACT IF NOT PROVIDED: The base will not be provided the necessary physical boundary protection thus allowing unauthorized entry, increasing the possibility of damage to Air Force property. Sections of the base boundary will continue not to be fenced and priority assets will continue to be at risk. 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: LtCol Michael Coats; (919) 736-5142; (Boundary Fence: 18,714 LM = 61,398 Ft).						

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE BOUNDARY FENCE	
5. PROGRAM ELEMENT 28047	6. CATEGORY CODE 906-245	7. PROJECT NUMBER VKAG033000	8. PROJECT COST (\$000) 1,500
<p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.</p>			

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE																										
3. INSTALLATION AND LOCATION SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA		4. PROJECT TITLE BOUNDARY FENCE																											
5. PROGRAM ELEMENT 28047	6. CATEGORY CODE 906-245	7. PROJECT NUMBER VKAG033000	8. PROJECT COST (\$000) 1,500																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>01-APR-02</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 2003</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>05-AUG-02</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>01-AUG-03</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 border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Deed -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>90</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>45</td> </tr> <tr> <td>(c) Total</td> <td>135</td> </tr> <tr> <td>(d) Contract</td> <td>120</td> </tr> <tr> <td>(e) In-house</td> <td>15</td> </tr> </table> <p>(4) Construction Contract Award 04 JAW</p> <p>(5) Construction Start 04 FEB</p> <p>(6) Construction Completion 04 SEP</p> <p>* Indicates completion of Project Definition with Parametric Coat 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	01-APR-02	(b) Parametric Cost Estimates used to develop costs	YES	(c) Percent Complete as of 01 JAN 2003	15%	* (d) Date 35% Designed	05-AUG-02	(e) Date Design Complete	01-AUG-03	(f) Energy Study/Life-Cycle analysis was/will be performed	NO	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Deed -		(a) Production of Plans and Specifications	90	(b) All Other Design Costs	45	(c) Total	135	(d) Contract	120	(e) In-house	15
(a) Date Design Started	01-APR-02																												
(b) Parametric Cost Estimates used to develop costs	YES																												
(c) Percent Complete as of 01 JAN 2003	15%																												
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1. COMPONENT AIR FORCE			FY 2004 MILITARY CONSTRUCTION PROGRAM						2. DATE	
INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA				COMMAND: AIR COMBAT COMMAND				5. AREA CONST COST INDEX 1.1		
3. Personnel Strength AS OF 30 SEP 02 END FY 2007	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	575	4220	511	14	13	7	0	1	54	
	575	4087	508	14	13	7	0	1	54	5,395 5,259
7. INVENTORY DATA (\$000)										
Total Acreage:										5,383
Inventory Total as of: (30 Sep 02)										1,202,673
Authorization Not Yet in Inventory:										18,000
Authorization Requested in this Program:										3,050
Authorization Included in the Following Program: (FY 2005)										5,689
Planned in Next Four Years Program:										93,0010
Remaining Deficiency:										41300
Grand Total:										1,363,712
3. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)										
CATEGORY					COST			DESIGN		STATUS
CODE	PROJECT TITLE				SCOPE		\$,000	START	CMT/ L	
214-426	ADAL Missile Maintenance Vehicle Fac				1,550	SM	3,050	Apr-02,	Aug-03	
	Total						3,050			
3a. Future Projects: Included in the Following Program: (FY2005)										
742-674	ADAL Fitness Center				2,629	SM	5,689			
	Total						5,689			
3b. Future Projects: Typical Planned Next Four Years:										
113-321	Aircraft Parking Apron				92,840	SM	18,600			
149-962	Air Traffic Control Complex				2,067	SM	12,000			
211-173	B-52 Maintenance Dock				4,936	SM	16,000			
212-216	Add/Alter Missile Operations Complex				4,851	SM	9,000			
214-426	Security Forces Vehicle Building				4,700	SM	6,500			
122-264	CALCUM Beddown, Phase 2				5,412	SM	18,600			
221-312	Dormitory				144	RM	12,300			
3c. Real Property Maintenance Backlog This Installation										6,7
10. Mission or Major Functions: A host bomb wing with B-52H aircraft, and av Air Force space Command wing with Minuteman III missiles.										
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