1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE, NORTH DAKOTA	ADD/ALTER MISSILE MAINTENANCE VEHICLE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
3 5 9 9 6	214-426	QJVF952007	Auth: 3,190 Approp: 3,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
ADD/ALTER MISSILE MAINTENANCE FACILITY	LS			2,438
ADDITION	SM	1,550	1,470	(2,279)
ALTERATIONS	LS			(149)
ANTITERRORISM FORCE PROTECTION	SM	1,550	7	(11)
SUPPORTING FACILITIES				430
UTILITIES	LS			(125)
PAVEMENTS	LS			(125)
SITE IMPROVEMENTS	LS			(120)
DEMOLITION	LS			(60)
SUBTOTAL				2,868
CONTINGENCY (5.0 %)				143
TOTAL CONTRACT COST				3,012
SDPBRVISION, INSPECTION AND OVERHEAD (5.7 %)				172
TOTAL REQUEST				3,183
TOTAL REQUEST (ROUNDED)				3,190

10. Description of Proposed Construction: Concrete foundation, floor slabs, masonry walls, and roof system. Includes fire protection system, utilities, waeh rack, vehicle parking stalls and all necessary support. Comply with DoD interim minimum force protection construction standards.

11. REQUIREMENT: 3,092 SM ADEQUATE: 0 SM SUBSTANDARD: 1,542 SM

PROJECT: Add/Alter missile maintenance vehicle facility. (Current Mission)

REQUIREMENT: An adequate facility is needed to insure that missile maintenance vehicles rre in "ready to operate. status at all times. It is required to provide proper vehicle maintenance, minor repair, and quick response capabilities. A heated facility is needed due to the harsh winters in North Dakota. It is also important that proper facilities for washing the vehicles are provided to provide corrosion control. These vehicles provide maintenance and supplies to missile equipment and facilities, and they must be ready to respond at all times.

CURRENT SITUATION: There is currently no adequate facility to house 90 of the missile support vehicles at Minot AFB. Thus, it is difficult to provide adequate maintenance for these critical vehicles. The severe cold weather and extremely low windchills, as low as minus 100 degrees Fahrenheit during the winter months, hinder the ability to Perform maintenance and sustain readiness. This impairs mission accomplishment. The vehicles stored outside must be started several times a day to maintain mission readiness. This wastes manhours and decreases engine life. Personnel must spend manhours clearing snow and ice off the vehicles. The bitter cold was responsible for ruining five vehicle engines in the last two years. The present facility lacks adequate entryways, and often vehicles are moved only to allow another to exit or be worked on.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE, NORTH DAKOTA	ADD/ALTER MISSILE MAINTENANCE VEHICLE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	214-426	QJVF952007	3,190

This also wastes manhours and fills the facility with fumes. The existing wash area accommodates only one small vehicle at a time and does not accommodate the larger nuclear-certified payload transporters and transporter-erectors resulting in increased corrosion. Combined, these factors may negatively impact the mission effectiveness and nlert rate. This could affect the strategic posture of our missiles and the nation's security. Without dependable vehicles, crews cannot respond to repair the missiles.

IMPACT IF NOT PROVIDED: Lack of a larger heated vehicle facility to house all the vehicles will continue to negatively impact the maintenance of 150 Minuteman III Intercontinental Ballistic Missiles. The maintenance crews will continue to suffer due to severe cold weather. Monthly vehicle maintenance, pre-operational functional inspections and area functional checkouts will continue to be difficult to perform. Vehicles will continue to be moved into tight quarters, increasing safety risks, delaying dispatches, and expending additional manhours. Vehicle response times will continue to decrease. Personnel will continue to work in freezing conditions to generate frozen vehicles with no alternative.

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 was done. It indicates there is only one option which will meet operational needs. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Leslie Martin, (701)723-2434. Add/Alter Missile Maintenance Facility: 1,550 SM = 16,678 SF.

JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE, NORTH DAKOTA	ADD/ALTER MISSILE MAINTENANCE VEHICLE FACILITY

5. PROGRAM ELEMENT	6. CATEGGRY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	214-426	QJVF952007	3,190

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	10-AUG-02
(e) Date Design Complete	10-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	186
(b) All Other Design Costs	93
(c) Total	279
(d) Contract	240
(e) In-house	39

(4) Construction Contract Award	03 DEC
(5) Construction Start	04 JAN
(6) Construction Completion	04 NOV

• 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

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
WRIGHT PATTERSON AIR FORCE BASE, OHIO	AIR FORCE MATERIEL COMMAND	0.97

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	2730	2490	13634				81	138	4,169	23,242
END FY 2007	2622	2564	13184				81	138	4169	22,698

7. INVENTORY DATA ($000)

Total Acreage:	8,145	
Inventory Total as of : (30 Sep 02)		4,975,367
Authorization Not Yet in Inventory:		113,729
Authorization Requested in this Program:		10,500
Authorization Included in the Following Program:	(FY 2005)	cl
Planned in Next Four Years Program:		210,400
Remaining Deficiency:		106,500
Grand Total:		5,416,496

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN STATUS START	CMPL
721-312	Dormitory	144	RM	10,500	Design-Build	
		Total		10,500		

9a. Future Projects: Included in the Following Program: (FY2005)

No Projects

9b. Future Projects: Typical Planned Next Four Years:

113-321	Replace West Ramp, Ph 2	98,667	SM	8,700
130-142	Consolidated Fire/Crash Rescue Station	3,319	SM	10,600
31 o-933	Consolidate Materials Computational Research Facility	6,000	SM	16,000
311-171	Consolidated Aeronautical Sciences Laboratory	6,838	SM	18,000
311-173	Information Technology Complex, Ph 1	9,832	SM	21,000
311-173	Information Technology Complex, Ph 3	9,232	SM	23,000
311-173	Alter Acquistion Support Facility	13,400	SM	17,600
610-112	Consolidate AFMC Law Offices	7,150	SM	8,000
61 O-243	Information Technology Complex, Ph 2	10,962	SM	23,000
61 O-835	Security Forces Admin Facility	5,765	SM	12,800
721-312	Dormitory	96	RM	7,400
736-773	Add/Alter Chapel Activities Center	1,300	SM	3.300
822-265	Replace Steam Lines/Tunnels Area B, Phase 1	1	LS	11,300
822-265	Replace Steam lines/Tunnels Area B, Phase 2	1	LS	11,200
141-454	ADAL FME Laboratory	6,834	SM	18,500

9c. Real Property Maintenance Backlog This Installation 11

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION WRIGHT PAT-I-ERSON AIR FORCE BASE, OHIO	COMMAND: AIR FORCE MATERIEL COMMAND	5. AREA CONST COST INDEX 0.97

10. Mission or Major Functions: Air Force Materiel Command headquarters which is responsible management, control, and direction of research, acquisition and logistics support for air and space weapon systems and related components; Aeronautical Systems Center; Air Force Research Laboratory including directorates for Materials, Sensors, air Vehicles, Human Effectiveness, and propulsion; Air Force Institute of Technology; Air Force Museum; Air Force Security Assistance Center; National Aerospace Intelligence Center; National Airborne Operations Center; and air base wing; Air Force Reserve Command airlift wing with two C-141 airlift squadrons; and an AMC airlift flight with C-21 aircraft.

11. Outstanding pollution and Safety (OSHA Deficiencies:

a. Air pollution	1,920
b. Water Pollution	2,000
c. Occupational Safety and Health	0
d. Other Environmental	1,000

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT MTA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WRIGHT PATTERSON AIR FORCE BASE, OHIO	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	721-312	ZHTV973211	10,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
DORMITORY (144 RM)	RM	144	0	7,755
DORMITORY	SM	4,752	1,616	(7,679)
ANTITERRORISM FORCE PROTECTION	SM	4,752	16	(76)
SUPPORTING FACILITIES				1,695
UTILITIES	LS			(750)
SITE IMPROVEMENTS	LS			(350)
PAVEMENTS	LS			(480)
COMMUNICATIONS SUPPORT	LS			(115)
SUBTOTAL				9,450
CONTINGENCY (5.0 %)				473
TOTAL CONTRACT COST				9,923
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				566
TOTAL REQUEST				10,488
TOTAL REQUEST (ROUNDED)				10,500

LO. Description of Proposed Construction: A three-story facility with reinforced concrete foundation and floor slabs, masonry walls and roof. Includes roam-bath/kitchen-room modules, laundry facility, storage, lounge areas, site preparation, seismic requirements and all supporting utilities. Complies with DoD interim minimum force protection construction standard.

Air Conditioning: 195 KW. Grade Mix: E1-E4 144

11. REQUIREMENT: 620 RM ADEQUATE: 363 RM SUBSTANDARD: 0 RM

PROJECT: Construct a dormitory. (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 DoD interim minimum force protection construction standard.

CURRENT SITUATION: The base has insufficient on-base housing to accommodate the unaccompanied enlisted personnel. This project is in accordance with the Air Force Dormitory Master Plan.

IMPACTIFNOTPROVIDRD: Adequate living quarters which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks construction standard, known as "one-plus-one", established by OSD. All known alternatives were considered during the development of this project. No other option could meet the mission requirements. Therefore, no economic analysis was needed or

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WRIGHT PATTERSON AIR FORCE BASE, OHIO	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72096	721-312	ZHTV973211	10,500

erformed. FY2001 Unaccompanied Rousing RPM Conducted: $660K. FY2002 Unaccompanied ousing RPM Conducted: $563K. Future Unaccompanied Housing RPM requirements estimated): FY03: $412K; FYO4: $370K; FY05: $270K. Base Civil Engineer: Mr Gary ohnson, (937) 257-6214. Dormitory: 4,752 SM = 51,132 SF. Design Build - Design Build ost (4% of Subtotal Cost): $370,000.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WRIGHT PATTERSON AIR FORCE BASE, OHIO	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	B. PROJECT COST ($000)
72896	721-312	ZHTV973211	10,500

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 Host Recently Used -

(3) All Other Design Costs 284

(4) Construction Contract Award 03 DEC

(5) Construction start 04 JAN

(6) Construction Completion 05 JUN

(7) Energy Study/Life-Cycle analysis was/will be performed YES

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	4. COMMAND:	5. AREA CONST
ALTUS AIR FORCE BASE OKLAHOMA	AIR EDUCATION AND TRAINING COMMAND	COST INDEX 0.98

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	303	1347	1233	147	196	0	0	0	0	3,226
END FY 2007	303	1353	1251	147	196	0	0	0	0	3,250

7. INVENTORY DATA ($000)

a. Total Acreage:	5,982	
b. Inventory Total as of : (30 Sep 02)		1,008,688
c. Authorization Not Yet in Inventory:		23,300
d. Authorization Requested in this Program:		1,144
e. Authorization Included in the Following Program: (FY 2005)		0
f. Planned in Next Four Years Program:		40,251
g. Remaining Deficiency:		2,100
h. Grand Total:		1,075,483

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
171-212	C-17 Modify Simulator Bays	LS	1,144	Apr-02	Aug-03
		Total	1,144		

8a. Future Projects: Included in the Following Program: (FY2005)

None

9b. Future Projects: Typical Planned Next Four Years:

111-111	Airfield Pavements	LS	17,000
111-111	ALZ Land Acquisition	800 AC	1,232
219-944	Base CE Complex	9,551 SM	10,019
724-417	Construct Visitor Quarters	100 PN	12,000
			40,251

9c. Real Property Maintenance Backlog This Installation 43

10. An air mobility wing with one C-5 squadron, one C-17/C-141 squadron, and one KC-135 air refueling squadron -- responsible for training all C-5, C-17, C-141 and KC-135 aircrews in the Air Force.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

a. Air pollution	0
b. Water Pollution	0
c. Occupational Safety and Health	0
d. Other Environmental	148,000

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1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ALTUS AIR FORCE BASE, OKLAHOMA	C-17 MODIFY SIMULATOR BAYS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	- 0 2 3 0 0 4	Auth: 1,167 Approp: 1,144

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
SIMULATOR RAY MODIFICATION	LS			720
SUPPORTING FACILITIES				304
SUPPORTING FACILITIES	Ls			(384)
SUBTOTAL				1,104
TOTAL CONTRACT COST				1,104
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				63
TOTAL REQUEST				1,167
TOTAL REQUEST (ROUNDED)				1,167

10. Description of Proposed Construction: Iustall new roll-up doors, modify bridge crane for 2-ton capacity, replace carpeting in classrooms, repair computer room flooring, upgrade chiller for simulators, modify fire protection/detection systems, and new electrical service for simulators.

11. REQUIREMENT: ADEQUATE: SUBSTANDARD:

PROJECT: C-17 modify simulator bays. (New Mission)

REQUIREMENT: The plus up of C-17 aircraft require additional training simulators to support this aircraft training mission.

CURRENT SITUATION: The Air Force C-17 fleet is increasing and Altus as a primary training base will receive additional aircraft. Additional training simulators are required to support increased pilot production. Existing simulator bays require modifications to accommodate C-17 simulators.

IMPACT IF ROT PROVIDED: Simulators are required to minimize the cost of actual aircraft flying hours and facilities must be prepared to house simulators. Pilot production will be adversely impacted if the facilities are not modified in order to accommodate the C-17 simulators.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1004, Facility Requirements. A preliminary analysis of reasonable options for accomplishing this project indicates there is only one option that will satisfy operational requirements, therefore, a full economic analysis was not performed. A certificate of exemption has been prepared. Base Civil Engineer: Lt Col Robert McCaugham, (580) 481-6530.

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.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ALTUS AIR FORCE BASE, OKLAHOMA	C-17 MODIFY SIMULATOR BAYS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	AGGN023004	1,167

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	10-SEP-02
(e) Date Design Complete	20-AUG-03
(f) Energy Study/Life-Cycle analysis was/will be performed	YES

(2) Basie:

(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	72
(b) All Other Design Costs	36
(c) Total	108
(d) Contract	96
(e) In-house	12

(4) Construction Contract Award	03 DEC
(5) Construction Start	04 JAN
(6) Construction Completion	04 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:
N/A

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST
TINKER AIR FORCE BASE	AIR FORCE MATERIEL	COST INDEX
OKLAHOMA	COMMAND:	0.89

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	960	3226	2740	450	2909		78	1680	84	12,127
END FY 2007	847	2763	2739	439	2819		78	1680	84	11,449

7. INVENTORY DATA ($000)

Total Acreage:	4,886	
Inventory Total as of : (30 Sep 02)		2,552,775
Authorization Not Yet in Inventory:		59,254
Authorization Requested in this Program:		19,060
Authorization Included in the Following Program: (FY 2005)		40,687
Planned in Next Four Years Program:		238,700
Remaining Deficiency:		120,775
Grand Total:		3,031,251

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-157	Building 3001 Revitilization, Phase 1		LS	19,060	Design	Build
		Total		19,060		

9a. Future Projects: Included in the Following Program: (FY2005)

141-764	Cohsolidate Software Support Facility	6,690	SM	13,692
211-254	Consolidated Fuel Overhaul, Repair, and Test Facility		LS	26,995
		Total		40,687

9b. Future Projects: Typical Planned Next Four Years:

112-211	Expand Ramp/Taxiway		LS	13,400
141-764	Integration Support Facility	2,726	SM	8,000
141-753	ADAL Squadron Operations Facility	2,320	SM	2,400
211-111	Multipurpose 3-Bay Hangar		LS	50,000
211-152	Sheet Metal Facility		LS	28,500
211-157	Building 3001 Revitalization, Ph 2		LS	20,000
211-157	Building 3001 Revitalization, Ph 3		LS	10,000
211-157	Alter Chemical Cleaning Shop	3,020	SM	17,500
217-742	31st Combat Comm Squad Ops Fac	3.400	SM	9,700
217-742	32nd Combat Comm Squad Ops Fac	3,900	SM	8,800
2 17-742	33rd Combat Comm Squad Ops Fac	4,000	SM	7,800
217-742	Comm Sqdn/IT Dir ABW		LS	10,000
610-I 12	Air Base Wing HQ / Law Center		LS	11,500
61 O-249	Replace Building's 4023, 4024, and		LS	2,500
721-312	Dormitory	120	RM	8,000
731-835	Security Forces Squadron		LS	10,000
737-884	Child Development Center	2,147	SM	5,000
812-223	Alter Primary Overhead Distribution Line	69,000	LM	13,000
824-464	Extend and Upgrade Gas Mains	8,400	LM	2,600

9c. Real Proper-y Maintenance Backlog This Installation 95

10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance, repair and overhaul of B-l, B-2, B-52, KC-135 and E-3 aircraft and aircraft engines; an air base wing; an Air Combat Command air control wing with four E-3 airborne air control squadrons supporting 24 E-3 aircraft; an Air Force Reserve Command air refueling wing with one KC-l 35 squadron; an Air Combat Command combat communications group; and an engineerir installation wing.

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION TINKER AIR FORCE BASE OKLAHOMA	COMMAND: AIR FORCE MATERIEL COMMAND:	5. AREA CONST COST INDEX 0.89

11. Outstanding pollution and Safety (OSHA Deficiencies:	
a. Air pollution	0
b. Water Pollution	15,192
c. Occupational Safety and Health	0
d. Other Environmental	540

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE, OKLAHOMA	BUILDING 3001 REVITALIEATION, PHASE I

5. PROGRAM ELEMENT	6. CATBGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	211-157	WWYK033003	Auth: 19,444 Approp: 19,060

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
BUILDING 3001 REVITALIEATION, PHASE I	LS			17,600
CIVIL INFRASTRUCTURE	LS			(4,300)
MECHANICAL INFRASTRUCTURE	LS			(7,200)
ELECTRICAL INFRASTRUCTURE	LS			(6,100)
SUPPORTING FACILITIES				0
SUBTOTAL				17,600
CGNTINGRNCY (5.0 %)				880
TOTAL CONTRACT COST				18,480
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,053
TOTAL REQUEST				19,533
TOTAL REQUEST (ROUNDED)				19,444
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(8,000)

LO. Description of Proposed Construction: Renovate the shop area of Building 3001 to include ventilation, structure, trench drainage, electrical, lighting, fire protection, pumps and piping. Project also includes demolition, repair of roof, concrete flooring, along with aeeociated work to meet current building codes and safety requirements.

11. REQUIREMENT: 253,712 SM ADEQUATE: 100.552 SM SUBSTANDARD: 153,160 SM

PROJECT: Building 3001 Revitalization, Phase I. (Current Mission)

REQUIREMENT: This project is required to provide an effective use of the existing work apace in building 3001 to meet current and future depot workload in support of TF33, F101, F108,F110 and the F100 jet engines. Utility system infrastructure upgrades are needed to provide a reliable source of electricity, heating and cooling for the various processes in the facility. Renovation of the existing work space is required to improve process flow times, enhance the working environments for compliance with the Occupational Safety and Health Act (OSHA), provide acceeaibility for preventive and remedial maintenance, and extend the service life of the facility. Reconfiguration of the Building 3001 industrial area is an element of the AFMC/OC-ALC long term Depot strategy to improve Programmed Depot Maintenance (PDM) processes and timelines to better support warfighter readinese.

CURRENT SITUATION: Present Propulsion workload (jet engine repair, maintenance and overhaul) and a significant portion of Airborne Acceeeoriee workload (both engine and airframe accessories) is performed in building 3001. This facility is approximately 60 years old and has utility systems that have reached their limited capacity and are in need of replacement. Power outages and heating and cooling failures have resulted in delays in the process flow and impacted the ability of the shops to support PDM on many aircraft worked on at Tinker AFB, OK. Over the years the existing shop areas have been adjusted to accommodate the changing workloads resulting in shops that are overcrowded and processes that have been piecemealed together. Lack of funding hae limited the effort to reconfigure and realign the existing shops in a modern and efficient process for engine overhaul and PDM for the KC-135 aircraft.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE, OKLAHOMA	BUILDING 3001 REVITALIZATION, PHASE I

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
12896	211-157	WWYK033003	19,444

IMPACT IF NOT PROVIDED: Tinker AFB's goal to achieve effective and efficient space utilization and work-flow/production practices will not be realized in accordance with AF'MC/OC-ALC Long Term Depot Strategy. Working conditions will not be improved. Pereonnel safety will be put at risk. Processes will become longer and create significant impact to Depot long term goals.

ADDITIONAL: This project is the first phase of a ten phased effort to revitalize building 3001. There is no criteria/scope specified for this project in Air Force Handbook 32-1084, "Facility Requirements." The requirement for this project was validated by the Joint Service Depot Maintenance Military Construction Review on 15 Aug 01. Base Civil Engineer: Mr. Dean Holt, (405) 734-3451. Design Build - Design Build Cost (4% of Subtotal Cost): $704,000.

BASE CIVIL RNGINRER: MALLOTT

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.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE, OKLAHOMA	BUILDING 3001 REVITALIZATION, PEASE I

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	211-157	WWYK033003	19,444

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 528

(4) Construction Contract Award 03 DEC

(5) Construction Start 04 JAN

(6) Construction Completion 05 AUG

(7) Energy Study/Life-Cycle analysis was/will be performed YES

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

EQUIPMENT NOMENCLATURE	PROCURING APPRO	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
INITIAL OUTFITTING EQUIPMENT	3010	2004	8,000

. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE

. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
:HARLESON AIR FORCE BASE ;OUTH CAROLINA	AIR MOBILITY COMMAND	0.88

. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
\S OF 30 SEP 02	477	3,003	621	12	3	0	298	1,756	278	6,448
:ND FY 2007	531	3,187	617	12	3	0	298	1,756	277	6,681

. INVENTORY DATA ($000)

Total Acreage: 3,733

nventory Total as of : (30 Sep 02)		822,985
Authorization Not Yet in Inventory:		43,203
Authorization Requested in this Program:		8,863
Authorization Included in the Following Program:	(FY 2005)	0
Planned in Next Four Years Program:		51,258
Remaining Deficiency:		1,800
Grand Total:		928,105

3. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
'21-213	Dormitory	144 RM	8,863	Apr-02	Sep-03
		Total	8,863		

9a. Future Projects: Included in the Following Program: (FY2005) NONE

9b. Future Projects: Typical Planned Next Four Years:

CODE	PROJECT TITLE	SCOPE	COST
111-111	Repair Airfield Pavements	141,071 SM	8,758
? 19-000	Civil Engineer Complex	6,016 SM	18,500
'21-312	Dormitory	144 RM	9,800
740-884	Child Development Center	3,800 SM	9,600
311-149	Airfield Lighting Vault	1,005 SM	4,600

9c. Real Propery Maintenance Backlog This Installation 62

10. Mission or Major Functions: Support of two military airlift wings, one active and one reserve associate; a lint-use airfield supporting international cargo, and general aviation operations terminals; and a remote training irfield simulation forward operations conditions.

1. Outstanding pollution and Safety (OSHA Deficiencies):

a. Air pollution	0
b. Water Pollution	0
c. Occupational Safety and Health	0
d. Other Environmental	0

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1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. [redacted]T ($000)
41896	721-312	DKFX063001	Auth: 9,042 / Approp: 8,863

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
DORMITORY (144 RX)	LS			6,518
DORMITORY	SM	4,752	1,335	(6,344)
ANTITRRRORISHFORCE PROTECTION	LS			(174)
SUPPORTING FACILITIES				1,605
UTILITIES	Ls			(515)
PAVEMENTS	LS			(292)
SITE IMPROVEMENTS	LS			(599)
SEISMIC	LS			(200)
SUBTOTAL				8,123
CONTINGENCY (@ 5.0 %)				406
TOTAL CONTRACT COST				8,529
SUPERVISION, INSPECTION AND OVERHEAD (6.0 %)				512
TOTAL REQUEST				9.041
TOTAL REQUEST (ROUNDED)				9,042
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,400)

LO. Description of Proposed Construction: Constructs new three-story structure with reinforced concrete foundation and floor slab, masonry walls, roof, and fire protection. Site work to improve drainage and provide appropriately landscaped ■ greeu area" within the dorm campus. Includes room-bath-room modules, laundry rooms, storage and lounge areas, campus parking, and support.

Air Conditioning: 108 KW. Grade Mix: El-E4 144

11. REQUIREMENT: 899 RM ADEQUATE: 537 RM SUBSTANDARD: 218 RM

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal wall 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. Private vehicle parking, landscaping, and adequate antiterrorism/force protection measures are required to appropriately complete a new dormitory campus area/green space.

CURRENT SITUATION: There are currently not enough adequate dormitories to meet the billeting requirements of unaccompanied enlisted personnel at this base. Eligible unaccompanied enlisted personnel in the grades of E-l through R-4 non-career, must reside off-base. Due to the distance (15 to 30 minutes driving time) from adequate local community housing and limited transportation, off-base housing is not attractive nor affordable for many junior enlisted personnel.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, Productivity, and career satisfaction of the enlisted force will continue to be degraded. Failure to provide adequate living conditions will jeopardize the ability to

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	4. PROJECT TITLE DORMITORY (144 RM)	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	721-312	DKFX063001	9.042

attract and retain the quality personnel essential to the defense of our country and perform DOD missions throughout the world.

ADDITIONAL: This project meats the criteria/scope specified in OSD's new uniform barracks size standard. All known alternatives were considered during development of this project. No other option could meet mission requirements. Therefore, no economic analysis was needed or performed. Unaccompanied Housing RPM: FY01 - $283K, FY02 - $466K. Estimated Unaccompanied Housing RPM: FY03 - $350K, FY04 - $350K, and FY05 - $450K. Base Civil Engineer: Lt Col Dowling, (843) 963-4956. Dormitory: 4752 SM = 51,132 SF.

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.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	721-312	DKFX063001	9,042

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 250

(4) Construction Contract Award 03 DEC

(5) Construction Start 04 JAN

(6) Construction Completion 05 JUL

(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)
COMPREHENSIVE INTERIOR DESIGN	3080	2006	1,400

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
GOODFELLOW AIR FORCE BASE TEXAS	AIR EDUCATION AND TRAINING COMMAND	COST INDEX 0.81

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	960	3226	2740	450	2909		78	1680	84	12,127
END FY 2007	a47	2763	2739	439	2819		78	1680	84	11,449

7. INVENTORY DATA ($000)

a. Total Acreage:	1,002	
b. Inventory Total as of : (30 Sep 02)		362,375
c. Authorization Not Yet in Inventory:		0
d. Authorization Requested in this Program:		19,970
e. Authorization Included in the Following Program: (FY 2005)		0
f. Planned in Next Four Years Program:		39,200
g. Remaining Deficiency:		22,000
h. Grand Total:		443,545

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
171-621	Fire Training Classroom Facility	785 SM	1,863	Mar-02	Aug-03
721-312	Student Dormitory	200 RM	18,107	Apr-02	Sep-03
		Total	19,970		

9a. Future Projects: Included in the Following Program: (FY2005)

None

9b. Future Projects: Typical Planned Next Four Years:

131-111	Communications Operations Complex	3,559 SM	6,900
171-623	Intel Academic Training Facility	12,542 SM	29,000
736-773	Chapel Center	1,680 SM	3,300

9c. Real Property Maintenance Backlog This Installation 62

10. Mission or Major Functions: A training wing providing technical training in cryptology, intelligence, linguistics, and firefighting career fields.

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	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
GOODFELLOW AIR FORCE BASE, TEXAS	FIRE TRAINING CLASSROOM FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
84731	171-621	JCGU033002	1,863

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
FIRE TRAINING FACILITY	Ls			1,519
TRAINING FACILITY	SM	785	1,925	(1,511)
ANTITERRORISM FORCE PROTECTION	Ls			(8)
SUPPORTING FACILITIES				176
UTILITIES	Ls			(96)
PAVEMENTS	Ls			(40)
SITE IMPROVEMENTS	Ls			(28)
COMMUNICATIONS	Ls			(12)
SUBTOTAL				1,695
CONTINGENCY (5.0 %)				85
TOTAL CONTRACT COST				1,780
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				101
TOTAL REQUEST				1,881
TOTAL REQUEST (ROUNDED)				1,863

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, reinforced masonry walls with *brick* veneer, steel frame, standing seam metal roof system, and landscaping. Includes all utilities and force protection as required. Pre-wire for data connectivity and video projection. Construct covered walkway to academic building. Comply with DoD interim minimum force protection *construction* standard.

Air Conditioning: 75 KW.

11. REQUIREMENT: 12,853 SM ADEQUATE: 12,068 SW SUBSTANDARD: 0 SM

PROJECT: Construct a fire training classrooms facility. (New Mission)

REQUIREMENT: The FY03 Training Flow Management Conference (TFMC) meeting minutes identified the firefighter apprentice course as a constrained course beginning in FY03 because course could not meet demands of the field with regard to number of trained personnel required (TPR). The FY03 TPR is 1,742 while the DoD Fire Academy's max capacity is 1,600. In order to meet FY03 TPR, the Academy must shift from starting 2 classes of 10 students every 3 days (80 starts per year) to a schedule that permits class starts every 2 days (122 starts per year). 13 additional classrooms are required to support this new schedule. Each classroom has unique, stand-alone, semi-permanent training aids that students must process thru in assembly- line fashion. Classroom requirements are predicated on the number of class starts required to meet the TPR. Class starts are a function of instructor availability. The FY 03-05 TPR is an increase of approx 142 students with a desired optimum capacity of 2440, up 840 from current max.

CURRENT SITUATION: The Fire Academy is currently teaching its maximum 1,600 students annually for all four services in 22 classrooms. Thirteen new classrooms are required to support this new TPR. We expect this increased student load to be a permanently

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
GOODFELLOW AIR FORCE BASE, TEXAS	FIRE TRAINING CLASSROOM FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
84731	171-621	JCGU033002	1,863

increased TPR, as stated above. The firefighter career field is currently the third most stressed field in the Air Force and firefighters are being stretched to cover the numerous taskings overseas and at ham as a result of Operation Enduring Freedaa and Homeland Security requirements.

IMPACT IF NOT PROVIDED: If not funded the DoD Fire Academy cannot produce the number of firefighters the Air Force requires to meet contingency taskings and Homeland Defense requirements. There is no physical way to meet the increase in production without shutting down other mission critical training such as Weapon of Mass Destruction training for first responders, or urban search and rescue. We are prepared to shift to a wartime schedule of training six days a week; however, this schedule is not arustainable wer the several years required to meet the production goals.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Nandbook 32-1084, "Facility Requirements". Base Civil Engineer: Lt Col Lance C. Iiafeli. (915) 654-31464.

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.

1. COMPONENT	FY 2004 MILITARY CGNSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
GOODFELLOW AIR FORCE BASE, TEXAS	FIRE TRAINING CLASSROOM FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
84731	171-621	JCGU033002	1,863

12. SUPPLEMENTAL MTA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	10-MAR-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	10-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	112
(b) All Other Design Costs	56
(c) Total	168
(d) *Contract*	150
(e) In-house	18

(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	4. PROJECT TITLE
GOODFELLOW AIR FORCE BASE, TEXAS	STUDENT DORMITORY (200 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	JCGU013002	Auth: 18,472 Approp: 18,107

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
STUDENT DORMITORY (200-RM)	LS			13,045
STUDBWTDORWITORY	SM	*9,750*	1,260	(12,285)
TRAINING *MANAGER* SPACE	SM	500	1,260	(630)
ABTITBRRORISM FORCE PROTECTION	LS			(130)
SUPPORTING FACILITIES				3,600
UTILITIES	LS			(1.590)
PAVEMENTS	LS			(1,005)
SITE IMPROVEMENTS	LS			(850)
COMMUNICATIONS	LS			(155)
SUBTOTAL				16,645
CONTINGENCY (5.0 %)				832
TOTAL CONTRACT COST				17,477
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				996
TOTAL RBQUBST				18,473
TOTAL REQUEST (ROUNDED)				18,472

10. Description of Proposed Construction: Wulti-story with reinforced concrete foundation/floor slabs, structural steel frame with brick veneer, and roof system. Includes room-bath-room modules (two students per room), laundries, training managers area, storage, communications network, and all necessary support. Comply with DoD interim minimum force protection construction standards.

Air Conditionins: 507 KW. Grade Yix: El-B4 400

11. REQUIREMENT: 884RW ADEQUATE: 647 RM SUBSTANDARD: 0 RM

I?ROJBCT: Construct a etudent dormitory. (Current Mission)

REQUIREMENT: Properly sized and configured dormitories are required to eupport training of students. A major *Air* Force objective provides housing conducive to their proper rest, relaxation and personal well-being while providing a suitable study environment. Properly designed and furnished quarters providing some degree of individual privacy, dire essential to the successful accomplishment of vital training requirements. This project is in accordance with the Air Force Dormitory Waster Plan. Comply with DoD interim minimum force protection construction standard.

CURRENT SITUATION: The base has insufficient on-base housing to accommodate the unaccompanied enlisted technical training students.

IMPACT IF NOT PROVIDED: Adequate student living quarters will continue to be unavailable resulting in degradation of morale, productivity, and overall training effectiveness of unaccompanied enlisted personnel. Deplorable conditions for our new members of the Air *Force* have negative effects on retention and training.

ADDITIONAL: The new OSD standard does not apply to housing constructed for members receiving entry-level skill training. This project is being designed to the Air *Force* technical training dormitory construction standard. All known alternative options were

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
GOODFELLOW AIR FORCE BASE, TEXAS	STUDENT DORMITORY (200 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	JCGU013002	18,472

considered during the development of this project. No other option could meet mission requirements. Therefore, no economic analysis was needed or performed. FY01 Unaccompanied Housing RPM Conducted: $1,315K; FY02 Unaccompanied Housing RPM Conducted: $106X. Future Unaccompanied Housing RPM Requirements (estimated): FY03: $110K; FY04 : $113K; FY05: $116K. Base Civil Engineer: Lt Col Lance C. Hafeli, (915) 654-3464. Student Dormitory: 10,250 SM = 110,290 SF.

BASE CIVIL ENGINEER: Van De Walle

JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.

1. COMPONENT	*FY* 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
GOODFELLOW AIR FORCE BASE, TEXAS	STUDENT DORMITORY (200 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	JCGU013002	18,412

12. SUPPLEWENTAL DATA:

a. Estimated Design Data:

(1) Status:

(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	20-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	831
(b) All Other Design Costs	461
(c) Total	1,292
(d) Contract	1,015
(e) In-house	277

(4) Construction Contract Award	03 DEC
(5) Construction Start	04 JAN
(6) Construction Completion	05 AUG

* 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	4. COMMAND:	5. AREA CONST
LACKLAND AIR FORCE BASE, TEXAS	AIR EDUCATION AND TRAINING COMMAND	COST INDEX 0.83

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	960	3226	2740	450	2909		78	1680	84	12,127
END FY 2007	847	2763	2739	439	2819		78	1680	84	11,449

7. INVENTORY DATA ($000)		
a. Total Acreage:	2,753	
b. Inventory Total as of : (30 Sep 02)		1,672,765
c. Authorization Not Yet in Inventory:		41,310
d. Authorization Requested in this Program:		56,226
e. Authorization Included in the Following Program:	(FY 2005)	21,142
f. Planned in Next Four Years Program:		86,200
g. Remaining Deficiency:		41,700
h. Grand Total:		1,919,343

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
721-312	Student Dormitory	200 RM	20,966	Apr-02	Sep-03
721-312	Student Dormitory	300 RM	35,260	Apr-02	Sep-03
		Total	56,226		

9a. Future Projects: Included in the Following Program:		(FY2005)	
721-312	Student Dormitory	200 RM	21,142
		Total	21,142

9b. Future Projects: Typical Planned Next Four Years:			
141-786	Consolidated Mobility Center	10,223 SM	14,000
171-623	ADAL Military Working Dog Trng Cntr	4,731 SM	5,600
171-815	Base PME Center, PME Library	5,500 SM	10,600
721-312	Dormitory	96 RM	7,300
721-312	Student Dormitory	200 RM	19,300
721-312	Student Dormitory	100 RM	10,700
722-351	New PP Dining Facility	2,509 SM	5,700
730-835	Security Forces Consolidated Ops Fac	3,067 SF	7,500
740-884	Child Development Center at LTA	3,067 SF	5,500

9c. Real Property Maintenance Backlog This Installation	84

10. Mission or Major Functions: A Training wing which includes Basic Military Training School, Air Force Security Forces Center, and security forces, cryptographic maintenance, recruting, and Air Force and Navy food service courses; Defense Language Institute English language Center; Department of Defense Military Dog Training Agency; Inter-American Air Force Academy; an Air Force reserve contingency hospital and training squadron, and a major Air Force medical center.

11. Outstanding pollution and Safety (OSHA) Deficiencies:	
a. Air pollution	771
b. Water Pollution	310
c. Occupational Safety and Health	0
d. Other Environmental	0

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LACKLAND AIR FORCE BASE, TEXAS	STUDENT WRMITORY (200 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	MPLSO13285	Auth: 21,389 Approp: 20,966

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
STUDENT DORMITORY (200 RM)	LS			13,863
STUDENT DORMITORY	SM	9,750	1,333	(12,997)
TRAINING MANAGER SPACE	SM	500	1,333	(667)
ANTITERRORISM FORCE PROTECTION	LS			(200)
SUPPORTING FACILITIES	I I			5,419
UTILITIES	LS			(930)
PAVEMENTS	LS			(445)
SITE IMPROVEMENTS	LS			(578)
CONMDNICATIONS	LS			(275)
PIBR FODNDATION	LS			(460)
EXPANDABLE CHILLÈR PLANT	SM	1,250	1,454	(1,818)
ASBESTOS/LEAD ABATEMENT	LS			(400)
DEMOLITION	SM	6,416	80	(513)
SUBTOTAL				19,282
CONTINGENCY (5.0 %)				964
TOTAL CONTRACT COST				20,246
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,154
TOTAL REQUEST				21,400
TOTAL REQUEST (ROUNDED)				21,389

10. Description of Proposed Construction: Multi-story with reinforced concrete foundation/floor slabs, structural steel frame with brick veneer, and roof system. Includes room-bath-room modules (two students per room), laundries, training managers area, storage, communications network, and all necessary support. Comply with DoD interim minimum force protection construction standard. Demolish 2 facilities (6,416 SM).

Air Conditioning: 980 KW. Grade Mix: El-E4 400

11. REQUIREMENT: 1,472 RM ADEQUATE: 725 RM SUBSTANDARD: 547 RM

PROJECT: Construct a student dormitory. (Current Mission)

REQUIREMENT: Properly sized and configured dormitories are required to support training of students. A major Air Force objective is to provide housing conducive to their proper rest, relaxation and personal well-being while providing a suitable studey environment. Properly designed and furnished quarters providing some degree of individual privacy, are essential to the successful accomplishment of vital training requirements. This project is in accordance with the Air Force Dormitory Baster Plan. Comply with DoD interim minimum force protection construction standard.

CURRENT SITUATION: The base has insufficient on-base housing to accommodate the unaccompanied enlisted technical training students.

IMPACT IF NOT PROVIDED: Adequate student living quarters will continue to be

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE STUDENT DORMITORY (200 RM)	
5. PROGRAM ELEMENT 85796	6. CATEGORY CODE 721-312	7. PROJECT NUMBER MPLS013285	8. PROJECT COST ($000) 21,389

navailable resulting in degradation *of* morale, productivity, and overall training ffectiveness *of* unaccompanied enlisted personnel. Deplorable conditions for new embers of the Air Force have negative effects on rentention and training.

DDITIONAL: The new OSD standard does not apply to housing constructed for members eceiving entry-level skill training. This project is being designed to the Air *Force* echnical training dormitory construction standard. All known alternative options ncluding conversion, leasing and status quo were considered during the development of his project. No other option could meet mission requirements. Therefore, no economic nalysis was needed or performed. FY01 Unaccompanied Housing RPY Conducted: $4,000K; Y02 Unaccompanied Housing Conducted: *$2,* 500K. Future Unaccompanied Housing RPM equirements (estimated): FY03: $2,200K; FY04: $1,600K; FY05: $1,000.
ase Civil Kngineer: Lt Col *Spencer* Patterson, Jr., (210) 671-2977. Student Dormitory: *,750* SM = *104.910 SF;* Training Managers Area: *500* SM = *5,380 SF.*

DINT USE CERTIFICATION: Mission requirements, operational considerations, and location re incompatible with use by other components.

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS	4. PROJECT TITLE STUDENT DORMITORY (200 RM)	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	WPLSO13285	21,389

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	10-APR-02
(b) Parametric Cost Estimates used to develop costs	YES
• (c) Percent Complete as of 01 JAW 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 -	YES
(b) Where Design Was Most Recently Used -	LACKLAND

(3) Total Cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	856
(b) All Other Design Costs	535
(c) Total	1,391
(d) Contract	1,070
(e) In-house	321

(4) Construction Contract Award 03 DEC

(5) Construction Start 04 JAW

(6) Construction Completion 05 DEC

• [illegible] 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	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LGCATION	4. PROJECT TITLE
LACKLAND AIR FORCE BASE, TEXAS	STUDENT DORMITORY (300 ROOMS)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	MPLS023721	Auth: 35.971 Approp: 35,260

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
STUDENT DORMITORY (300 RM)	RM	300	0	26,406
STUDENT DORMITORY	SM	14,625	1,333	(19,495)
DINING FACILITY	SM	2,177	2,448	(5,329)
ANTI-TERRORISM FORCE PROTECTION	LS			(915)
TRAINING MANAGER *SPACE*	SM	500	1,333	(667)
SUPPORTING FACILITIES				6,031
UTILITIES	LS			(1,300)
PAVEMENTS	LS			(860)
SITE IMPROVEMENTS	LS			(575)
PIER FOUNDATION	Ls			(710)
COMMUNICATIONS ,	LS			(405)
EXPANDABLE CHILLER PLANT	SM	1,500	1,454	(2,181)
SUBTOTAL				32,437
CONTINGENCY (5.0 %)				1,622
TOTAL CO-T COST				34,059
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,941
TOTAL REQUEST				36,000
TOTAL REQUEST (ROUNDED)				35,971

LO. Description of Proposed Construction: Multi-story facility with reinforced concrete pier foundation/floorslabs, structural steel frame with brick veneer. Includes room-bath-roan modules to pipeline dorm standard (two students per room), laundries, training managers area, storage, communications network, 1500 pn dining hall, and all necessary support. Comply with DoD interim minimum force protection construction standard.

Air Conditioning: 1500 KW.

11. REQUIREMENT: 1,472 RM ADEQUATE: 725 RM SUBSTANDARD: 547 RM

PROJECT: Construct a student dormitory. (New Mission)

REQUIREMENT: Properly sized and configured dormitories are *required* to support the increased training requirement *for* the Security *Forces* Apprentice course and *Basic* Officer course. USAF directed an increase security forces pipeline production of 450 graduates for FY02. Prior to the events of 11 Sept there was a plan which included a phased training schedule which increased training days from 51-days to 81-days. The 11 Sept event increased awareness of the *need for* adequate security and identified a need to expedite the plan on a war-time footing.

CURRENT SITUATION: we have an urgent and compelling need to improve security forces training in support of force protections operations worldwide. Given the threat and security forces training shortfalls it is critical this training effort be expedited on wartime footing to meet field commanders *force* protection vulnerabilities as quickly as possible. Currently, the Security Forces Apprentice course is operating at Lackland AFB

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LACKLAND AIR FORCE BASE, TEXAS	STUDKNTDORMITORY (300 ROOMS)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	MPLS023721	35,971

and Camp Bullis. The Basic Officer course is operating at Camp Bullis. The student load for the Apprentice course at Lackland is projected to be 1,601 bed spaces. Lackland can only support an ADSL of 1008 bed spaces. This leaves a shortfall of 593 bedspaces. Construction of a 300- room (600-person) dormitory, dining hall and support spaces is necessary to support the increased ADSL.

IMPACT IF NOT PROVIDED: Adequate on-base quarters are needed to support the Security Forces Apprentice course at Lackland Air Force Base. Lackland has insufficient on-base housing to accommodate these additional pipeline students. The inability to do this will result in an increased cost to the Air Force for off-base housing and will impact security forces pipeline production and the Air Force's ability to provide combat ready forces who are trained in dealing with either a homeland base defense operation or fonvardly deployed in a hostile urban environment.

ADDITIONAL: The new OSD dormitory standard does not apply to housing constructed for members receiving entry-level skill training. This project is being designed to the Air Force technical training "pipeline" construction standard. All known alternatives were considered during the development of this project. No other option could meet mission requirements, therefore, no economic analysis was needed or performed. FY01 unaccompanied Housing RPM Conducted: $4,000K; FY02 Unaccompanied Housing RPM Conducted: $2,500K .Future Unaccompanied Housing RPM requirements (estimated): FY03: $2,000K; FY04: $1,600K; FY05: $1,000K. Base Civil Engineer: Lt Col Spencer P'atterson, Jr., (210) 671-2977. Student Dormitory: 14,625 SM = 157,365 SF.

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.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT *DATA*	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LACKLAND AIR FORCE *BASE,* TEXAS	STUDENT DORMITORY (300 ROOMS)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	MPLSO23721	35,971

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	04-APR-02
(b) Parametric Cost Estimates used to develop costs	YES
• (c) Percent Complete as of 01 JAN 2003	15%
• (d) Date 35% Designed	20-SEP-02
(e) Date Design Complete	22-SEP-03
(f) Energy Study/Life-Cycle analysis was/will be performed	YES

(2) Basis:

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

(3) Total Cost (c) = (a) + (b) or (d) + (e):

	($000)
(a) Production of Plans and Specifications	1,439
(b) All Other Design Costs	900
(c) Total	2,339
(d) Contract	1,799
(e) In-house	540

(4) Construction Contract Award	03 JAN
(5) Construction Start	04 FEB
(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:
N/A

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
SHEPPARD AIR FORCE BASE TEXAS	AIR EDUCATION AND TRAINING COMMAND	0.94

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	588	2696	2653	371	4040	0	137	1792	129	12,406
END FY 2007	572	2438	2661	380	3918	0	137	1792	129	12,027

7. INVENTORY DATA ($000)

a. Total Acreage:	5,719	
b. Inventory Total as of : (30 Sep 02)		1,765,299
c. Authorization Not Yet in Inventory:		53,000
d. Authorization Requested in this Program:		28,590
e. Authorization Included in the Following Program: (FY 2005)		21,284
f. Planned in Next Four Years Program:		164,600
g. Remaining Deficiency:		39,000
h. Grand Total:		2,071,773

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
721-312	Student Dormitory	300	RM	28,590	Apr-02	Sep-03
		Total		28,590		

9a. Future Projects: Included in the Following Program: (FY2005)

171-625	F-22 Technical Training Facility	11,368	SM	21,284
		Total		21,284

9b. Future Projects: Typical Planned Next Four Years:

113-321	Base Operations Ramp	40,067	SM	7,200
141-453	Airfield Ops Center	2,366	SM	9,000
171-627	Repl Trainer Maint/Development Facility	10,688	SM	20,000
171-627	Training Support Facility	5,575	SM	10,500
721-312	Dormitory	144	RM	10,600
721-312	Student Dormitory	300	RM	31,700
721-312	Student Dormitory	300	RM	33,200
721-312	Student Dormitory	300	RM	28,100
740-884	Child Development Center	3,500	SM	14,300

9c. Real Property Maintenance Backlog This Installation 44

10. Mission or Major Functions: A Training wing responsible for aircraft maintenance, civil engineering, comptroller, and health science courses; a flying training wing with T-37/T-38/AT-38 flying training squadrons that train US and NATO pilots under the Euro-NATO Joint Jet pilot Training (ENJJPT) Program; and an Air Force Reserve Command flying training squadron.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

a. Air pollution	175
b. Water Pollution	350
c. Occupational Safety and Health	0
d. Other Environmental	0

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1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SHEPPARD AIR FORCE BASE, TEXAS	STUDENT DORMITORY (300 RN)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	VNVP053002	Auth: 29,167 Approp: 28,590

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
STUDENT DORMITORY (300 RM)	LS			21,041
STUDENT DORMITORY	SM	14.625	1,425	(20,841)
ANTITERRORISM FORCE PROTECTION	LS			(200)
SUPPORTING FACILITIES				5,260
UTILITIES	LS			(1.700)
PAVEMENTS	LS			(1,470)
SITE IMPROVEMENTS	LS			(1,440)
COMMUNICATIONS	LS			(650)
SUBTOTAL				26,301
CONTINGENCY (5.0 %)				1,315
TOTAL CONTRACT COST				27,616
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,574
TOTAL REQUEST				29,190
TOTAL REQUEST (ROUNDED)				29,167

10. Description of Proposed Construction: Multi-story with reinforced concrete foundation/floor slabs, structural steel frame with brick veneer, and roof system. Includes room-bath-room modules (two students per room), laundries, training managers area, storage, communications network, and all necessary support. Comply with DoD interim minimum force protection construction standard.

Air Conditioning: 650 KW. Grade Mix: El-R4 300

11. REQUIREMENT: 2,530 RM ADEQUATE: 370 RM SUBSTANDARD: 2,264 RM

PROJECT: Construct a student dormitory. (Current Mission)

REQUIREMENT: Properly sized and configured dormitories are required to support training of students. A major Air Force objective is to provide housing conducive to their proper rest, relaxation and personal well-being while providing a suitable study environment. Properly designed and furnished quarters, providing some degree of individual privacy, are essential to the eucceeeful accomplishment of vital training requirements. This project is in accordance with the Air Force Dormitory Master Plan. Comply with DoD interim minimum force protection construction standard.

CURRENT SITUATION: Four of the eleven student dormitories at Sheppard have central latrines and are in deteriorated condition. They are plagued by broken toilets, sinks, sewer, and water lines. Severe moisture and mildew problems are creating health hazards. Frequent electrical power outages cause damage to personal property such as televisions and computers. Severe heat and cooling inconsistencies, exacerbated by the inability to open windows contribute to stifling conditions for personal etudiee.

IMPACT IF NOT PROVIDED: Adequate student living quarters will continue to be unavailable resulting in degradation of morale, productivity, and overall training effectiveness of unaccompanied enlisted personnel. Deplorable conditions for new members of the Air Force have negative effects on retention and training.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SHEPPARD AIR FORCE BASE, TEXAS	STUDENT DORMITORY (300 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	VNVP053002	29,167

ADDITIONAL: The new OSD dormitory standard does not apply to housing constructed for members receiving entry-level skill training. This project is being designed to the Air Force technical training "pipeline' construction standard. All known alternatives were coneidered during the development of this project. No other option could meet mission requirements. Therefore, no economic analysis was needed or performed. FY01 Unaccompanied Housing RPM Conducted: $3,760K; FY02 Unaccompanied Housing RPM Conducted: $855K. Future Unaccompanied Housing RPM Requirements (estimated): FY03: $9893; FY04: $9433; FY05: $990K. Base Civil Engineer: Col Hal M. Tinsley, (940) 676-2158.
Dormitory: 14,625 SM = 157,365 SF

JOINT USE CERTIFICATION: Mission requirements, operational coneideratione, and location are incompatible with use by other components.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SHEPPARD AIR FORCE BASE, TEXAS	STUDENT DORMITORY (300 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	VNVP053002	29,167

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	20-SEP-02
(e) Date Design Complete	20-SEP-03
(f) Energy Study/Life-Cycle analysis was/will be performed	YES

(2) Basis:

(a) Standard or Definitive Design -	YES
(b) Where Design Was Most Recently Used -	SHEPPARD

(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	1,168
(b) All Other Design Costs	730
(c) Total	1,898
(d) Contract	1,460
(e) In-house	438

(4) Construction Contract Award	03 DRC
(5) Construction Start	04 JAN
(6) Construction Completion	05 NOV

* 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

COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH	COMMAND: AIR FORCE MATERIEL COMMAND	5. AREA CONST COST INDEX 1.04

4. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	627	4229	9919	3488	4702	937	1	0	803	24,701
END FY 2007	608	4230	9525	3488	4702	937	1	0	803	24,29

7. INVENTORY DATA ($000)	
Total Acreage:	6,973
Inventory Total as of : (30 Sep 02)	2,902,09
Authorization Not Yet in Inventory:	64,291
Authorization Requested in this Program:	15.81
Authorization Included in the Following Program: (FY 2005)	13,11
Planned in Next Four Years Program:	186,201
Remaining Deficiency:	72,151
Grand Total:	3,253,66

11. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN STATUS START CMPL
215-554	Munitions Maintenance Facility		LS	$1,000	Design-Build
122-264	Replace Munitions Storage Igloos, Ph I	4,059	SM	13,000	Design-Build
122-264	Small Diameter Bomb Storage Igloos	580	SM	1,811	Design-Build
		Total		15,811	

9a. Future Projects: Included in the Following Program: (FY2005)				
740-674	Fitness Center	6.000	SM	13.113
		Total		13,113

9b. Future Projects: Typical Planned Next Four Years:				
130-142	Consolidated Fire/Crash Rescue Station	4,737	SM	**9,200**
141-753	F-16 Squadron Operations Facility	2,600	SM	6,000
141-764	Consolidated Software Support Facility, Phase 1	6,735	SM	19,000
141-765	Consolidate Quality Control Propellant Lab	2,220	SM	6,500
141-786	Consolidated AEF Deployment Center	5,112	SM	5,700
171-625	Consolidate CLSS Training I Storage Facility	2,020	SM	3,800
211-116	Fueled Hangar Facility	5,500	SM	13,000
211-116	Maintenance Hangar, 4 dock, Phase 2	10,077	SM	32,000
211-152	Consolidated Industrial Commodities	2,454	SM	4,500
211-152	Aircraft Structural Maintenance Facility	830	SM	2,200
211-152	Composite Repair Facility, Phase 1	7,350	SM	24,500
212-212	Composites RCS Facility	2,710	SM	10,600
214-425	729th ACS Operation/Maint Complex	1,700	SM	4,900
215-552	Munitions Maintenance Facility	2,850	SM	4,500
522-259	Consolidate Missile Storage Facilities	3,535	SM	14,200
122-264	Replace Munitions Storage Igloos, Ph I	4,059	SM	13,000
510-144	Consolidated 649th Munitions Facility	2,050	SM	4,600
721-312	Dormitory	96	RM	8,000

9c. Real Propery Maintenance Backlog This Installation 9:

10. Mission or Major Functions: Ogden Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of tactical missiles, F-16 aircraft, Minuteman and Peacekeeper ICBMs, AN/FPS-117 Radar, Composite (including B-2 Composites), Power Systems, and Software workload; a test squadron with F-16, HH-1, MH-60, and HC/NC-130 aircraft; an air base wing; an Air Combat Command fighter wing with three F-16 squadrons; and an Air Force Reserve fighter wing with one F-16 squadron.

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH	COMMAND: AIR FORCE MATERIEL COMMAND	5. AREA CONST COST INDEX 1.04

11. Outstanding pollution and Safety (OSHA Deficiencies:	
a. Air pollution	1,000
b. Water Pollution	120
c. Occupational Safety and Health	0
d. Other Environmental	0

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1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	MUNITIONS MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27248	215-554	KRSM023011	1,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
MUNITIONS MAINTENANCE FACILITY	LS			1,000
SUPPORTING FACILITIES				0
SUBTOTAL				1,000
TOTAL CONTRACT COST				1,000
TOTAL REQUEST				1,000
TOTAL REQUEST (ROUNDED)				1,000

10. Description of Proposed Construction: Special access required

11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS

PROJECT: As required.

REQU[redacted] Details Under Separate Cover.

CURRENT SITUATION: special access required.

IMPACT IF NOT PROVIDED: Special access required.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	REPLACE MUNITIONS STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	422-264	KRSM003013	13,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
REPLACE MUNITIONS STORAGE IGLOOS	SM	4,059	2,196	8,914
SUPPORTING FACILITIES				2,716
UTILITIES	LS			(480)
PAVEMENTS	LS			(1,000)
SITS IMPROVEMENTS	LS			(475)
DEMOLITION	SM	2,069	300	(621)
COMMUNICATIONS SUPPORT	LS			(140)
SUBTOTAL				11,629
CONTINGENCY (5.0 %)				581
TOTAL CONTRACT COST				12,211
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				696
TOTAL REQUEST				12,907
TOTAL REQUEST (ROUNDED)				13,000

10. Description of Proposed Construction: Construct 21 earth covered reinforced concrete Hayman Type igloos, 26' x 80', capable of storing 500,000 pounds of Class 1.1 munitions. Work includes access roads, reinforced aprons, utilities and other necessary support. Demolish seven facilities totaling 2,069 SM.

11. REQUIREMENT: 41,168 SM ADEQUATE: 21,505 SM SUBSTANDARD: 20,519 SM

PROJECT: Replace Munitions Storage Igloos. (Current Mission)

REQU[redacted]: Properly sired and configured munitions storage facilities are required to support the increased Standard Air Munitions Packages (STAMP) mission for Precision Guided Munitions (PGM) assets. The AF Ammunition Control Point and the Air Staff have designated the additional STAMP requirements to be accommodated at Hill AFB. STAMP assets are war reserve munitions (WRM) required by all Combat Air Forces (CAF) involved in any type of contingency worldwide. This project is needed to provide safer and more efficient explosives handling aud storage capabilities and increase storage capability within the existing explosive safety footprint. These igloos must be capable of storing 500,000 Rounds Net Equivalent Weight (NEW) of class 1.1 explosives.

CURRENT SITUATION: Existing igloo configurations are inadequate to accommodate the new munitions being shipped as full up rounds. New containers are much larger and will not fit through the existing doors without extensive maneuvering. The current igloo shape and size do not allow for the most efficient use of space to maneuver and store the STAMP assets. Existing aud planned construction for other missions in the explosives storage area have restricted the NEW that can be stored in the various existing igloos and reduced the bases ability to store hazard class 1.1 munitions by 2.8 million pounds. New, modern igloos provide additional storage space and allow an increase of 1.5 million pounds of class 1.1 munitions to be stored within the existing explosive safety footprint. This project is the key element to the overall revitalization and development of the munitions storage area at Hill AFB.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	REPLACE MUNITIONS STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	422-264	KRSM003013	13,000

IMPACT IF NOT PROVIDED: There will continue to be a shortfall of storage capability for hazard class 1.1 munitions. Excessive maneuvering of assets in and out of the existing igloos will continue to place these assets and crew at rink. Inadequate storage capability will impact the beddown of new munitions at Kill AFB and will have a significant negative impact on STAMP assets availability to support Ws involved in contingency operations worldwide.

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: Col Wes Somers (801) 777-3071. Munitions Storage Igloos: 4,059 SM = 43,680 SF. Design Build - Design Build Cost (4% of Subtotal Cost): $465,000.

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

DD FORM 1391, DEC 76 Previous editions are obsolete. Page No.

1. COMPONENT	FY 2004 UILITARY COUSTRUCTIOU PROJECT MTA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATIOU	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	REPLACE MUNITIONS STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	422-264	KRSM003013	13,000

12. SUPPLEMENTAL MTA:

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 348

(4) Construction Contract *Award* 03 DEC

(5) Construction start 04 JAN

(6) construction Completion 05 WAY

(7) Energy Study/Life-Cycle analysis was/will be *performed* NO

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

U/A

1. COMPONENT	FY 2004 WILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
EILLAIRFORCE BASE, UTAH	SWALLDIAMETER BOMB STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27327	422-264	KRSM033005	Auth: 1,848 Approp: 1,811

9. COST ESTIWATES

ITEM	U/M	QUANTITY	UUIT	COST
SMALL DIAMETER BOMB STORAGE IGLOOS	SM	580	2,327	1,350
SUPPORTING FACILITIES				315
DTILITIBS	Ls			(90)
PAVEMENTS	LS			(115)
SITE IMPROVEMENTS	Ls			(90)
COMMUNICATIONS SDPPORT	Ls			(20)
3uBToTAL				1,665
CONTINGENCY (5.0 %)				83
TOTAL CONTRACT COST				1,748
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				100
TOTAL REQUEST				1,848
TOTAL REQUEST (ROUNDED)				1,848

.0. Description of Proposed Construction: Construct 3 earth *covered* reinforced concrete Hayman Type igloos, 26' x 80', capable of storing 500,000 pounds of Class 1.1 munitions. Work includes access roads, reinforced aprons, utilities aud other necessary support.

.1. REQUIREMENT: 41,748 SM *ADEQUATE:* 21,505 SN SUBSTANDARD: 20,519 SM

PROJECT: Construct small diameter bomb (SDB) storage igloos. *(New* Mission)

REQUIREMENT: Properly sized and configured munitions storage facilities are required to support the new Standard Air Munitions Packages (STAMP) mission for SDB assets. The AF mmunition Control Point and the Air Staff have designated the STAMP requirements to be accommodated at Hill AFB. STAMP assets are *war* reserve munitions (WRM) required by all combat Air Forces (CAF) involved in many types of contingencies worldwide. Separate structures are required to support single Point load out locations to meet STAMP contingency support and to provide safe and efficient explosives handling and storage capabilities within the existing explosive safety footprint. These igloos must be capable of storing 500,000 Pounds Wet Explosives Weight (NEW) of Class 1.1 explosives.

CURRENT SITUATION: The SDB is an ACC new mission requirement. SDB STAMP assets are packaged in a pre-loaded configuration inside a 12-foot long container as well as ndividual bombs. The existing igloos *are* not the correct size or shape to efficiently accommodate the new assets. In addition, the existing igloos are utilized to their maximm capacity. Existing and planned construction Project5 for other missions within he explosive storage area are *part* of au overall *master* plan to increase the storage capability for Class 1.1 munitions within the existing explosives safety footprint. Fithout the planned changes there is insufficient capacity for the current workload and no capability to accommodate new missions assigned to Hill AFB.

MPACT IF NOT PROVIDED: Failure to Provide adequate SDB storage facilities would result n costly productionand fielding delays. Additionally, the SDB would not be immediately vailable to warfighters if STAMP storage facilities are not provided.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILLAIRFORCE BASE, UTAH	SMALL DIAMETER BOMB STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000,
27327	422-264	KRSM033005	1,848

ADDITIONAL: This projects meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." Base Civil Engineer: Col Wes Somers (801) 777-3071. SDB Storage Igloos: 580 SM = 6,240 SF. Design Build - Design Build Cost (4% of Subtotal): $68,586.

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

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	SMALL DIAMETER BOMB STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27327	422-264	KRSM033005	1,848

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 52

(4) Construction Contract Award 03 DEC

(5) Construction Start 04 JAN

(6) Construction Completion 04 Nov

(7) Energy Study/Life-Cycle analysis was/will be performed YES

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 LANGLEY AIR FORCE BASE, VIRGINIA	4. COMMAND: AIR COMBAT COMMAND	5. AREA CONST COST INDEX 0.94

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	1853	6819	1717	117	304	20			243	11,073
END FY 2007	1912	6839	1655	117	304	20			243	11,090

7. INVENTORY DATA ($000)			
a. Total Acreage:	3,152		
b. Inventory Total as of : (30 Sep 02)			1,206,235
c. Authorization Not Yet in Inventory:			172,000
d. Authorization Requested in this Program:			24,969
e. Authorization Included in the Following Program:		(FY 2005)	8,292
f. Planned in Next Four Years Program:			42,700
g. Remaining Deficiency:			63,200
h. Grand Total:			1,517,396

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $.000	DESIGN START	STATUS CMPL
116-672	F-22 Clear Water Rinse Pad	4,100 SM	2,383	Jun-02	Sep-03
211-111	F-22 Squadron OperationsAMU/Hangar	6,891 SM	20,013	Jun-02	Sep-03
218-712	F-22 Vertical Wing Tank Storage	1,486 SM	2,573	May-02	Sep-03
		Total	24,969		

9a. Future Projects: Included in the Following Program:		(FY2005)			
721-312	Dormitory (96 RM)		96 RM	8,292	
			Total	8,292	

9b. Future Projects: Typical Planned Next Four Years:					
113-321	Repair Primary Parking Apron/Taxiway		154,858 SM	11,700	
113-321	Repair West Parking Apron/Taxiway		102,000 SM	15,000	
171-475	Indoor Small Arms Range		2,778 SM	5,800	
721-312	Dormitory (96 RM)		96 RM	7,200	
736-771	ADAL Bethel Manor Chapel		358 SM	3,000	

9c. Real Property Maintenance Backlog This Installation:	75

10. Mission or Major Functions: Headquarters Air Combat Command; a fighter wing with three F-15 fighter squadrons; an airlift flight; an intelligence group; Aerospace Command and Control Intelligence, Surveillance and Reconnaissance Center (AC2ISRC), Detachment of the USAF Doctrine Center; and the Air Force Rescue Coordination Center.

11. Outstanding Pollution and Safety (OSHA) Deficiencies:	
a. Air pollution	0
b. Water Pollution	0
c. Occupational Safety and Health	0
d. Other Environmental	0

orm 1390, 9 Jul 02

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F-22 SQUADRON OPERATIONS/AMU/HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-111	MUHJ043001	Auth: 20,418 Approp: 20,013

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
?-22 SQUADRON OPERATIONS/AMU/HANGAR	LS			9,316
SQUADRON OPERATIONS/AMU	SM	2,641.	1,424	(3,761)
HANGAR	SM	4,250	1,296	(5,509)
ANTITERRORISM FORCE PROTECTION	LS			(46)
SUPPORTING FACILITIES				9,070
UTILITIES	LS			(3,010)
PAWS/SITE IMPROVEMENTS	LS			(2,026)
DEMOLITION	LS			(1,483)
SPECIAL FOUNDATIONS	SM	2,550	190	(485)
PASSIVE SECURITY MEASURES	LS			(415)
SOIL REMEDIATION	LS			(1,651)
SUBTOTAL				18,385
CONTINGENCY (5.0 %)				919
TOTAL CONTRACT COST				19,305
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,100
TOTAL REQUEST				20,405
TOTAL REQUEST (ROUNDED)				20,418
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(21.0)

10. Description of Propoeed Coaetruction: Construct F-22 squadron operations/AMU hangar to include special foundation pilings, masonry block walls and standing seam metal roofs. The infrastructure and the utilities will be upgraded. Includes minumum DoD force protection measures.

Air Conditioning: 150 KW.

11. REQUIREMENT: 7,923 SM ADEQUATE: 0 SM SUBSTANDARD: 6,458 SM

PROJECT: Construct P-22 squadron operations/AMU and hangar. (New Missic n)

REQUIREMENT: The F-22 squadron operations/AMU and hangar is required to support the eddown of the F-22. New technology and composite materials for stealth mission apability require specialized maintenance facilities that do not compromise security rocedures. The facility will support personnel and equipment due to arrive in Mar 06 nd aircraft scheduled to arrive in Dec 06 for the third F-22 squadron.

URRENT SITUATION: The base does not have adequate facilities to conduct squadron level aintenance and operations for the F-22 fighter squadron. Over the last ten years, the ir Force has experienced significant restructuring of its combat wings, resulting in he shifting of roles and responsibilities for maintaining and operating aircraft. perational squadrons are required to work, train, deploy, and fight in close ooperation with their corresponding maintenance functions. Currently, squadron perations and maintenance facilities are geographically separated, under sized, in poor ondition, and not configured to support high operations tempo fighter squadrons. The xisting hangars are over 70 years old. Hangar doors do not operate prop rly, roofs

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJRCT *DATA*	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F-22 SQUADRON OPERATIONS/AMU/HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-111	MUHJ043001	Auth: 20,418 Approp: 20,013

9. COST ESTIMATES

ITEM	U/M	QUANTITY	W I T	COST
F-22 SQUADRON OPERATIONS/AMU/HANGAR	Ls			9,316
SQUADRON OPERATIONS/AMU	SM	2,641	1,424	(3,761)
HANGAR	SM	4,250	1,296	(5,509)
ANTITERRORISM FORCE PROTECTION	LS			(46)
SUPPORTING FACILITIES				9,070
UTILITIES	Ls			(3,010)
PAVEMENTS/SITE IMPROVEMENTS	Ls			(2,026)
DEMOLITION	Ls			(1.483)
SPECIAL FOUNDATIONS	SM	2,550	190	(485)
PASSIVE SECURITY MEASURES	Ls			(415)
SOIL REMEDIATION	Ls			(1,651)
SUBTOTAL				18,385
CONTINGENCY (5.0 %)				919
TOTAL CONTRACT COST				19,305
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,100
TOTAL REQUEST				20,405
TOTAL REQUEST (ROUNDED)				20,418
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(21.0)

10. Description of Proposed Construction: Construct F-22 squadron operations/AMU hangar to include special foundation pilings, masonry block walls and standing seam metal roofs. The infrastructure and the utilities will be upgraded. Includes minumum DoD force protection measures.

Air Conditioning: 150 KW.

11. REQUIREMENT: 7,923 SM ADEQUATE: 0 S N SUBSTANDARD: 6,458 SM

PROJECT: Construct F-22 squadron operations/AMU and hangar. (New Mission)

REQUIREMENT: *The F-22 squadron* operations/AMU *and* hangar *is required to support the* beddown of the F-22. New technology aud composite materials for stealth mission capability require specialized maintenance facilities that do not compromise security procedures. The facility will support personnel and equipment due to arrive in Mar 06 and aircraft scheduled to arrive in Dec 06 for the third F-22 squadron.

CURRENT SITUATION: The base does not have adequate facilities to conduct squadron level maintenance and operations for the F-22 *fighter squadron. Over* the last tea years, the Air Force has experienced significant restructuring of its combat wings, resulting in the shifting of roles and responsibilities for maintaining and operating aircraft. *Operational squadrons* are required to work, train, deploy, and fight in close cooperation with their corresponding maintenance functions. currently, squadron operations and maintenance facilities are geographically separated, undersized, in poor condition, and not configured to support high operations tempo fighter squadrons. The existing hangars are over 70 years old. Hangar doors do not operate properly, roofs

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F-22 SQUADRON OPERATIONS/AMU/HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-111	MUHJ043001	20,418

.eak, lead paint and asbestos are present, lighting is substandard, mechanical and :lectrical systems are inadequate, exterior masonry walls are deteriorating, and fire :rotection and security systems are non-existent. *Also,* the hangars are inadequately :ized and improperly configured to accommodate the wider F-22 aircraft without violating :afety criteria.

MPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential maintenance and repair on the *F-22* aircraft. Operational squadrons will be undersized and geographically separated from the maintenance functions, creating operational leficiencies. Fragmented operations will increase the potential for security :ompromises. With no acceptable work-arounds, high risk solutions will be implemented, impacting operational capabilities aud violating safety criteria.

ADDITIONAL: This project meets the criteria and scope outlined 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. Ease Civil Engineer: Lt Col Neal McElhannon, (757)-764-2025. Squadron Operations/AMU/Hangar: 2,641SM = 28,417 SF; Ranger: *4,250 SN = 45,730 SF.*

JOINT USE CERTIFICATION: Mission requirements, operational considerations, and *location* are incompatible with use by other components.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJRCT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJRCT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F-22 SQUADRON OPERATIONS/AMU/HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJRCT COST ($000)
27138	211-111	MUHJ043001	20,418

12. SUPPI M T A :

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	10-JUN-02
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2003	15%
* (d) Date 35% Designed	01-AIJG-02
(e) Date Design Complete	Ol-SRP-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	1,225
(b) All Other Design Costs	613
(c) Total	1,838
(d) Contract	1,532
(e) In-house	306

(4) Construction Contract Award	04 JAN
(5) Construction Start	04 FEB
(6) Construction Completion	06 MAR

* Indicates completion of Project Definition with Parametric Cost Estimate which is c-arable 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)
CONMDNICATIONS EQUIPMENT	3400	2004	21

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F-22 VERTICAL WING TANK STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	218-712	MUHJ043003	Auth: 2,625 Approp: 2,573

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
VERTICAL WING TANK STORAGE	LS			2,308
F-22 VERTICAL WING TANK STORAGE FACILITY	SM	1,486	1,546	(2,297)
ANTITERRORISW FORCE PROTECTION	LS			(11)
SUPPORTING FACILITIES				104
UTILITIES	LS			(49)
PAVEMENTS	SM	500	80	(40)
SITE IMPROVEMENTS	LS			(10)
-CATIONS SUPPORT	LS			(5)
SUBTOTAL				2,412
CONTINGENCY (5.0 %)				121
TOTAL CONTRACT COST				2,533
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				144
TOTAL REQUEST				2,677
TOTAL REQUEST (ROUNDED)				2,625
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(645.0)

10. Description of Proposed Construction: Construct external aircraft fuel tank storage facility with masonry siding and standing seam metal roof. Includes minimum DoD standard force protection measures.

11. REQUIREMENT: 1,486 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct vertical wing tank storage facility. (New Mission)

REQUIREMENT: An adequately sized and configured facility is required for the storage and maintenance of 320 F-22 external wing tanks as part of the F-22 beddown. This facility will house the external aircraft fuel tank storage system (EAFTSS) that is being used on the new F-22 aircraft.

CURRENT SITUATION: Langley AFB does not currently have a facility that is adequate in size or a building that can be converted to support this requirement. In addition, the existing horizontal wing tank storage pad currently violates airfield criteria creating unacceptable risks and a flight safety hazard. Furthermore, this external storage is unacceptable due to the high corrosive nature of Langley AFB being located near the Atlantic Ocean.

IMPACT IF NOT PROVIDED: Langley AFB will be unable to store and maintain critical wing tanks as required for the F-22 aircraft. Wing tanks will continue to have corrosive problems due to the salt water environment.

ADDITIONAL: This project meets the criteria and scope outlined in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Neal McElhannon, (757) 764-2025. Vertical Wing Tank Storage: 1,486 SW = 15,989 SF.

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA	4. PROJECT TITLE F-22 VERTICAL WING TANK STORAGE	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	218-712	MUHJ043003	2,625

JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.

DD FORM 1391, DEC 76 Previous editions are obsolete. Page No.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F-22 VERTICAL WING TANK STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	218-712	MUHJ043003	2,625

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	24-MAY-02
(b) Parametric Cost Estimates used to develop costs	YES
• (c) Percent Complete as of 01 JAN 2003	15%
• (d) Date 35% Designed	Ol-AUG-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 Nost Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	158
(b) All Other Design Costs	79
(c) Total	237
(d) Contract	211
(e) In-house	26
(4) Construction Contract Award	04 JAN
(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:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FUEL TANK STORAGE SYSTEM	3400	2004	645

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F-22 CLEAR WATER RINSE PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	116-672	MUHJ043006	Auth: 2,431 Approp: 2,383

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CLEAR WATRR RINSB	Ls			1,483
CLEAR WATER RINSE PAD	SM	4.100	130	(533)
RINSE SYSTEM	LS			(950)
SUPPORTING FACILITIES				704
UTILITIES	LS			(220)
PAVEMENT	LS			(175)
DRWOLITION	LS			(65)
SOIL REMEDIATION	Ls			(244)
SUBTOTAL				2,187
CONTINGENCY (5.0 %)				109
TOTAL CONTRACT COST				2,296
SUPERVISION, INSPECTION ARD OVERHEAD (5.7 %)				131
TOTAL REQUEST				2,427
TOTAL REQUEST (ROUNDED)				2,431

LO. Description of Proposed Construction: Construct an F-22 drive through clear water rinse pad adjacent to existing parking apron. Work to include all utilities, pavements, oil/water separater, and infrastructure as required for a complete and usable facility.

11. REQUIREMENT: 4,100 SM ADEQUATE: 0 SM SUBSTANDARD: OSM

PROJECT: Construct F-22 clear water rinse pad. (New Mission)

REQUIREMENT: An adequately sired and configured drive/taxi - through clear water rinse pad is required to support the F-22 beddown. New technology and composite materials for stealth mission capability requires extensive maintenance procedures to preserve operational capabilities. This facility supports the maintenance of the low observable (LO) coatings and composites by accomplishing rinsing operations after completing combat sorties. This project supports aircraft arrival in Nov 04.

CURRENT SITUATION: The base does not have a drive through clear water rinse pad to accomplish rinsing operations after combat mission sorties. The F-22 aircraft will be subjected to the highly corrosive atmosphere associated with coastal environments. In addition to the corrosive nature of a coastal environment, the abrasive impact associated with the crystallization of salt on F-22 will cause significant degradation of the LO coatings.

IWPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential preventive maintenance on the F-22 aircraft. Without this clear water rinse facility, the maintainers will be forced to accomplish washing operations within the LO/Composite Repair facitity eventually creating a maintenance backlog. The corrosive and abrasive effects due to the coastal environment will accelerate the degradation of the LO coatings and composite materials, thus impacting operational readiness.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F-22 CLEAR WATER RINSE PAD

5. PROGRAM ELEMENT	6. CATRGORY COD8	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	116-672	MUHJ043006	2,431

DDITIONAL: This project meets the criteria and scope outlined in Air Force Handbook 2-1084, "Facility Requirements". A preliminary analysis of reasonable options for ccomplishing this project (status quo, renovation, upgrade/removal, new construction) as done. It indicates there is only one option that will meet operational equirements. A certificate of exception has been prepared. Base Civil Engineer: Lt !ol Neal McElhannon, (757)-764-2025. Clear Water Rinse Pad: 4,100 SN = 44,116 SF.

OINT USE CERTIFICATION: Mission requirements, operational considerations, and location re incompatible with use by other components.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F-22 CLEAR WATER RINSE PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	116-672	MUHJ043006	2,431

12. SUPLEMENTAL DATA:

a. Estimated Design Data:

(1) Statue:

(a) Date Design Started	10-JUN-02
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2003	15%
• (d) Date 35% Designed	Ol-AUG-02
(e) Date Design Complete	Ol-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	146
(b) All Other Design Costs	73
(c) Total	219
(d) Contract	195
(e) In-house	24

(4) Construction Contract Award	04 JAN
(5) Construction Start	04 FEB
(6) Construction Completion	04 NOV

* 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	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AIR COMBAT COMMAND, VIRGINIA	PRBDATOR SQUADRON OPERATIONS/AMU/HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)	
27245	211-111	ACC043015	Auth:	26,251
			Approp:	25,731

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
SQUADRON OPERATIONS/AMU/HANGAR	LS			12,546
SQUADRON OPERATIONS	SM	1,487	1,971	(2,931)
AMU/HANGAR	SM	4,926	1,952	(9,616)
SUPPORTING FACILITIES				11,100
UTILITIES/PAVEMENTS/SITB IMPROVEMENTS	LS			(2.100)
AIRFIELD PAVEMENTS/LIGHTING	LS			(2.700)
INFRASTRUCTURE UPGRADE	LS			(6.300)
SUBTOTAL				23,646
CONTINGENCY (5.0 %)				1,182
TOTAL CONTRACT COST				24,829
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,415
TOTAL REQUEST				26,244
TOTAL REQUEST (ROUNDED)				26,251

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel frame, standing seam metal roof, fire detection/protection, utilities, site improvements, landscaping, upgrade/expand utility systems, roads/parking, airfield pavements/lighting/marking. communication support, and all other necessary support.

11. REQUIREMENT: 6,413 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct Predator Squadron Operations/AMU/Hangar. (New Mission)

REQUIREMENT: This project supports the AF objective of a real-time ● Hunter/Killerm capability by ensuring adequate facilities are available to support unmanned aerial vehicle (UAV) operations and maintenance activities. This project supports the stand-up of new combat coded, training and test UAV Predator A (MQ-1) and Predator B (MQ-9) weapon systems. Permanent facilities are required to support funded aircraft production in FY03/04 with new airframes arriving in FY05, aud over 1100 personnel. The Squadron Operations/AMU facility is required to eupport mission planning, flight operations, maintenance functions, mission briefing and debriefing, and administrative functions. The maintenance dock is required to support direct maintenance of assigned UAV assets. Infrastructure (water, sewer, electrical, pavements, communications, fire protection) must be provided to the undeveloped beddown site.

CURRENT SITUATION: The beddown location does not have excess facilities that can be reconfigured to support the operations and maintenance requirements of this mission.

IMPACT IF NOT PROVIDED: Failure to provide facilities to support this new mission beddown will significantly impact UAV operational capabilities. Adequate facilities will not be available to perform critical flying operations and maintenance logistics functions. This will force inefficient work around8 that will degrade mission accomplishment. The Air Forces capability to train personnel for this critical mission

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AIR COMBAT COMMAND, VIRGINIA	PREDATOR SQUADRON OPERATIONS/AMU/HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27245	211-111	ACC043015	26,251

:ould be severely inhibited.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-.084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements, therefore, a full economic analysis was not performed. A :ertificate of exception has been prepared. (Squadron Operations: 1,487 SM = 16,000 SF; MCI/Hangar: 4,926 SM = 53,004 SF)

JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location ire incompatible with use by other components.

1 . COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AIR COMBAT COMMAND, VIRGINIA	PREDATOR SQUADRON OPERATIONS/AMU/HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27245	211-111	ACC043015	26,251

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	24-JUL-02
(b) Parametric Coet Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAW 2003	15%
* (d) Date 35% Designed	Ol-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	1,575
(b) All Other Design Costs	788
(c) Total	2,363
(d) Contract	1,969
(e) In-house	394
(4) Construction Contract Award	04 JAN
(5) Construction Start	04 FEB
(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 thie 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	4. PROJECT TITLE
HQ USAF, DISTRICT OF COLUMBIA	CLASSIFIED MILCON PROJECT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000,
27248	999-999	PAYZ040004	3,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CLASSIFIED MILCON PROJECT	LS			3,250
SUPPORTING FACILITIES				0
SUBTOTAL				3,250
TOTAL CONTRACT COST				3,250
TOTAL REQUEST				3,250
TOTAL REQUEST (ROUNDED)				3,250

10. Description of Proposed Construction:

11. REQUIREMENT: LS ADEQUATE: Ls SUBSTANDARD: LS

PROJECT: As required.

EQU[redacted]: Special access required.

OUTSIDE THE UNITED STATES

COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
AJES FIELD, AZORES ORTUGAL	AIR COMBAT COMMAND	1.3

Personnel trength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
S OF 30 SEP 02	96	853	692	20	69	6	4	6	45	1,791
ND FY 2007	96	854	963	20	69	6	4	6	45	2,063

INVENTORY DATA ($000)

Total Acreage:	944	
Inventory Total as of: (30 Sep 02)		732,160
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		4,082
Authorization Included in the Following Program:	(FY 2005)	0
Planned in Next Four Years Program:		57,900
Remaining Deficiency:		15,200
Grand Total:		809,346

PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

ATEGORY ODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
42-674	Add To And Alter Fitness Center	1,735 SM	4,086	Feb-02	Sep-03
		Total	4,086		

a. Future Projects: Included in the Following Program: (FY2005)

None

b. Future Projects: Typical Planned Next Four Years:

11-111	Repair Aircraft Maint Hangar	8,818 SM	14,800
14-425	Transportation Complex	3,818 SM	9,300
21-315	Transient Quarters Phl	4,900 SM	12,200
21-315	Transient Quarters Ph2	5,880 SM	14,600
30-I 42	Fire/Crash Rescue Station	2,821 SM	7,000

c. Real Propery Maintenance Backlog This Installation: 13

0. Mission or Major Functions: The host air base wing has no permanently assigned force structure but rovides en route support to transiting aircraft and hosts Headquarters US Forces Azores. Lajes Field erves as a logistical bridge to Europe, Africa, and Southwest Asia by providing a ground refueling and stop-ver capability, functioning as a tanker staging location for in-flight refueling and serving as a primary divert ase for deploying aircraft.

1. 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	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LAJES FIELD, PORTUGAL	ADD TO AND ALTER FITNESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	742-674	MQNA053002	4,086

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
ADD/ALTER FITNESS CENTER	LS			3,494
HAWC ADDITION	SM	425	2,850	(1,211)
RENOVATION	SM	1,549	1,470	(2,277)
ANTITERRORISM FORCE PROTECTION	LS			(6)
SUPPORTING FACILITIES				144
PAVEMENTS	LS			(101)
SITE IMPROVEMENTS	LS			(44)
SUBTOTAL				3,638
CONTINGENCY (5.0 %)				182
TOTAL CONTRACT COST				3,020
SUPERVISION, INSPECTION AWD OVERHEAD (6.5 %)				240
TOTAL REQUEST				4,069
TOTAL REQUEST (ROUNDED)				4,086
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(18.0)

10. Description of Proposed Construction: Construct a 425 SM addition for the health and wellnees center (HAWC). Renovate existing HAWC to eupport storage and administration. Renovate main lobby. Install new floors in gymnasium and aerobics room. Refinish racquetball courts. Complete HVAC system. Force protection will comply with minimum DoD standards.

Air Conditioning: 150 KW.

11. REQUIREMENT: 5,556 SM ADEQUATE: 2,707 SM SUBSTANDARD: 174 SM

PROJECT: Add to and alter fitness center. (Current Mission)

REQUIREMENT: A modern, adequate sized and properly configured fitness *center* to conduct comprehensive and balanced programs for physical fitness programs required for Lajee AFB personnel and their dependents which is a major quality of life and retention requirement. Personnel require eafe fitneee *programs* including aerobics, health, mental, and nutritional training, indoor recreational athletic activities, and a health and wellness center at thie overseas base.

CURRENT SITUATION: Lajes Field is classified as a medium baee per the USAF Fitness Facilities Design Guide. This is the only existing fitness center on Lajee Field for US personnel. The HAWC is co-located within this facility. Generally, the facility is in fair condition but is inadequately sized. Limited facilities for HAWC and existing requirements are 20% deficient per USAF Fitness Facilities Design Guide standard.

IMPACT IF NOT PROVIDED: Physical conditioning and recreational programs will remain limited due to space restrictiona. This condition, coupled with deficiencies in all core areas, will continue to adversely affect the physical conditioning, morale, well being, and retention rate of assigned military personnel thus impacting Lajes' capability to accomplish its mieeion. Additionally, testing, training, and team/individual eporte will continue to be hindered due to inadequate playing surfaces.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LAJES FIELD, PORTUGAL	ADD TO AND ALTER FITNESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	742-674	MQNA053002	4,086

ADDITIONAL: This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (statue quo, renovation, new construction) was done. It indicate8 there is only one option that will meet requirements. Because of this, a full economic analyeie wae rot performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Terry Watkins, 011-351-295-576113. HAWC Addition: 425 SM = 4,573 SF; Renovation: 1,549 SM = 16,667 SF.

JOINT USE CERTIFICATION: Mission requirementa, operational coneideratione, and location are incompatible with use by other components.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	

3. INSTALLATION AND LQCATION	4. PROJECT TITLE
AJES FIELD, PORTUGAL	ADD TO AND ALTER FITNESS CENTER

5. PROGRAM ELEMENT	6. *CATEGORY* CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	742-674	MQNA053002	4,086

2. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Statue:	
(a) Date Design Started	01-FEB-02
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as *of* 01 JAN 2003	15%
* (d) Date 35% Designed	Ol-AUG-02
(e) Date Design Complete	Ol-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	245
(b) All Other Design Costs	123
(c) Total	368
(d) Contract	327
(e) In-house	41
(4) Conetruction Contract Award	04 JAN
(5) Conetruction Start	04 *FEB*
(6) Conetruction Completion	05 PEB

• 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	18

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
RAMSTEIN AIR BASE, GERMANY	UNITED STATES AIR FORCE, EUROPE	1.22

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	1247	6655	2366	120	1199	124	302	586	49	12,648
END FY 2009	1256	6669	2343	120	1199	124	302	586	49	12,648

7. INVENTORY DATA ($000)			
a. Total Acreage:	3,102		
b. Inventory Total as of : (30 Sep 02)			2,801,700
c. Authorization Not Yet in Inventory:			154.306
d. Authorization Requested in this Program:			35,616
e. Authorization Included in the Following Program:		(FY 2005)	2.066
f. Planned in Next Four Years Program:			216,950
g. Remaining Deficiency:			185,250
h. Grand Total:			3,395,888

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
131-454	1st Combat Communication SQ, PH. II	7,100 SM	19,713	Apr-02	Sep-03
742-674	Fitness Center Annex	5,356 SM	15,903	Mar-02	Aug-03
		Total	35,616		

9a. Future Projects: Included in the Following Program: (FY2005)			
122-264	Small Diameter Bomb	1.190 SM	2,066
		Total	2,066

9b. Future Projects: Typical Planned Next Four Years:			
113-321	Ramp 1, PH. II	77,000 SM	23,600
113-321	Ramp 1, PH. III	61,000 SM	14,100
140-000	Theather Aerospace Op Spt Center	4,366 SM	25,700
141-000	Contingency Response Group, PH. II	7,700 SM	19,100
141-000	86 AES Facility	2,020 SM	9,050
141-000	Squad OPS/AMU 37AS	3,713 SM	12,500
141-786	Air Expeditionary Force Processing Center	7,559 SM	28,420
211-111	C-130J-30 Aircraft Hangar	3,500 SM	8,660
211-111	C-130 Fuel Cell Hangar	3,600 SM	9,400
214-425	CTS Vehicle Maintenance	1,314 SM	4,350
214-425	Vehicle Maintenance Facility	2,450 SM	8,100
218-712	AGE Maintenance	2,402 SM	6,950
219-943	Civil Engineer Sqd Midfield Complex	2,570 SM	6,347
610-261	Warrior Preparation Center	10,591 SM	40,673

9c. Real Propery Maintenance Backlog This Installation	87

10. Mission or Major Functions: A host airlift wing supporting a C-130E squadron, a C-9A squadron and a squadron composed of C-20A, and C-21A aircraft; Headquarters, United States Air Forces in Europe and Headquarters, Allied Air Forces Central Europe.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

a. Air pollution:	0
b. Water Pollution:	0
c. Occupational Safety and Health:	0
d. Other Environmental:	14,700

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	CONSOLIDATED 1ST COMBAT COMMUNICATION SQUADRON, PH 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000,
27596	131-111	TYFR0230462	19,713

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CONSOLIDATED 1ST COMBAT COMMUNICATION	LS			13,023
COMBAT COMMUNICATIONS	SM	7,100	1,818	(12,908)
ANTITERRORISM FORCE PROTECTION	LS			(115)
SUPPORTING FACILITIES				4,583
UTILITIES	LS			(1,349)
COMMUNICATION SUPPORT	LS			(776)
PAVEMENTS	LS			(1,124)
PASSIVE FORCE PROTECTION MEASURES	LS			(340)
SITS IMPROVEMENTS	LS			(994)
SUBTOTAL				17,606
CONTINGENCY (5.0 %)				880
TOTAL CONTRACT COST				18,486
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				1,202
TOTAL REQUEST				19,688
TOTAL REQUEST (ROUNDED)				19,713
EQUIPMENT FROM OTHER APPROPRIATIONS *(NON-ADD)*				(400.0)

LO. Description of Proposed Construction: All civil, structural, mechanical, electrical, fire prevention/alarm and communication supporting *work* necessary for the construction of a combat communications compound. Consists of masonry or modular constructed facilities with eloped roofing systems. Provides space for maintenance and vehicle parking, utilities, and all other support. Includes minimum DoD interim *force* protection standards.

11. REQUIREMENT: 8,686 SM *ADEQUATE:* 1,586 SM SUBSTANDARD: 7,060 SM

PROJECT: Consolidate combat communications squadron. (Current Mission).

REQUIREMENT: Adequately sized and configured facilities to provide optimum support for the combat communications squadron. Adequate facilities are required to efficiently and affectively house all functions of the the combat communications squadron inluding rapid deployable communications and air traffic control services throughout Europe, Africa, and the Middle East. The unit also supports the United Nations, Joint Chiefs of Staff, North Atlantic Treaty Organization, United States European Command, Department of State, and US/coalition task forces during wartime, exercises, and military operations other than war as directed by United States Air Forces in Europe.

CURRENT SITUATION: Current facilities, which consist of an old flight operations building and a series of hardened aircraft shelters, are not adequate to meet mission needs. These facilities were meant to be used on a temporary basis. The geographic separation of unit functions makes operations, command, and control inefficient and difficult. Personnel are working in undersized offices/areas and facilities not designed for their mission. These conditions reduce productivity and morale. Parking

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	CONSOLIDATED 1ST COMBAT COMMUNICATION SQUADRON, PH 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	131-111	TYFR0230462	19,713

pace for the unit's mobility vehicles is extremely limited. The current location estricts the ability to rapidly assemble and transfer the assets to assigned staging ocations due to constricted traffic patterns and roads.

MPACT IF NOT PROVIDED: Combat communications squadron will continue to be hindered due o inefficient, undersized, and less than optimum operating conditions and location. he unit will not be able to perform and provide fisrt-rate command and control ommunications for forces within their mandatory response time. Functions will continue t decreased productivity for customers and negatively impact their mission.

DDITIONAL: This project is not currently eligible for NATO funding. A precautionary re-finance statement will be filed in the event eligibility is established. This roject meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility equirements". A preliminary analysis of reasonable options was done and indicates that nly one option meets operational requirements. A certificate of exception has been repared. This is the second phase of a two-phase project. Base Civil Engineer: Col effrey L Leptrone, 011-49-6371-6228. Combat Communications: 7,100 SM = 76,424 SF.

OREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR 1.1386

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

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT *DATA* (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	CONSOLIDATED 1ST COMBAT COMMUNICATION SQUADRON, PH 2

5. *PROGRAM* ELEMENT	6. CATEGORY CODE	7. PROJECT	8. PROJECT COST ($000,
27596	131-111	TYFR0230462	19.713

12. SUPLEMENTAL *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	01-AUG-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	1,183
(b) All Other Design Costs	591
(c) Total	1,774
(d) Contract	1,478
(e) In-house	296

(4) Construction Contract Award	04 FEB
(5) construction start	04 FEB
(6) Construction Completion	06 MAR

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATION EQUIPMENT	3000	2004	400

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	FITNESS CENTER ANNRX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	742-674	TYFR023043	15,903

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
FITNESS CENTER	SM	5,356	0	13,096
FITNESS CENTER ANNRX	SM	5,356	2,432	(13,026)
ANTITERRORISM FORCE PROTECTION	LS			(70)
SUPPORTING FACILITIES				1,186
UTILITIES	LS			(421)
PAVEMENTS	LS			(335)
SITE IMPROVEMENTS	LS			(318)
PASSIVE FORCE PROTECTION MEASURES	LS			(42)
COMMUNICATION SUPPORT	LS			(70)
SUBTOTAL				14,282
CONTINGENCY (5.0 %)				714
TOTAL CONTRACT COST				14,996
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				975
TOTAL REQUEST				15,971
TOTAL 'REQUEST (ROUNDED)				15,903
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2.0)

10. Description of Proposed Construction: A two-story structure with reinforced Concrete foundation and floor slabs, masonry walls, roof system, fire protection. Includes space for weight lifting, group and individual exercise areas, men's and women's locker rooms / showers / latrines, indoor running track, and all necessary utilities and support. Includes minimum DoD interim force protection standards.

11. REQUIREMENT: 17,898 SM ADEQUATE: 12,542 SM SUBSTANDARD: 0 SM

PROJECT: Construct a fitness center Annex. (Current Mission)

REQUIREMENT: A modern, adequate sized and properly configured fitness center to conduct Comprehensive and balanced programs for physical fitness programs required for Ramstein 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 wellnese center at this overseas base.

CURRENT SITUATION: The existing Air Force fitness centers are over 45 years old. They require constant repair and maintenance to remain operational condition. The combined 8square meters of the four existing fitness centers do not equal the authorized square meters outlined in AFH 32-1084 and in the new AF Fitness Center Design Guide for the number of personnel working and living in the area. The lack of adequate space leads to 0vercrowded, unavailable facilities for much of the base population. Daily use of the Ramstein fitness centers increased from 800 to 1200 people daily in the last 4 years. Facilities cannot accomodate the electrical requirements of state-of-the-art fitness equipment and the ventilation system is inadequate. Space shortages exist throughout the facilities, in the locker rooms, weight rooms, and aerobic rooms. Weather

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	FITNESS CENTER ANNEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
21596	742-674	TYFR023043	15,903

conditions in Germany validate the need for an indoor running track. Long hours of darkness, rain and icy condition6 prohibit personnel from running outside year-round. To maintain adequate fitness levels a year-round use facility is needed.

IMPACT IF NOT PROVIDED: Physical condition will continue to be limited due to inadequate space requirements. This will negatively affect the morale, quality of life, productivity, and impacts retention and combat readineee. Inadequate ventilation will continue to make it uncomfortable and unhealthy to exercise; furthermore, electrical shortfalls will not support additional equipment.

ADDITIONAL: Thie project is not eligible for NATO funding. Thie project meets the criteria/scope specified in AF Handbook 32-1084, "Facility Requirements" and the Air Force Fitness Center Master Plan criteria. This is a corporate Air *Force* directed project essential *for* personnel quality of life, and retention of highly skilled personnel. Only one option meets the mission requirement. Therefore, a full economic malysis was not completed. A certificate of exception has been prepared. Base Civil 3ngineer: Col Jeffrey L. Leptrone, 011-49-6371-47-6228. Fitness Center Annex: 5,356 GM = 57,652 SF.

FOREIGN CURRENCY: FCF Budget Rate Deed: EURO-DOLLAR 1.1386

JOINT USE CERTIFICATION: This facility is programmed for joint use with all other military components; however, it is fully funded by the Air Force.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	FITNESS CENTER ANNEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	742-674	TYFR023043	15,903

12. SUPPLEMENTAL DATA:

a. Eetimated Design Data:

(1) statue:

(a) Date Design Started	15-MAR-02
(b) Parametric Coat 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	Ol-AUG-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	954
(b) All Other Design Costs	477
(c) Total	1,431
(d) Contract	1,272
(e) In-house	159

(4) Construction Contract Award	04 FEB
(5) Construction Start	04 FEB
(6) Construction Completion	05 DEC

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

b. Equipment associated with thie project provided from other appropriatione:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
EXERCISE EQUIPMENT	3080	2004	2

1. COMPONENT AIR FORCE	FY 2004 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONSJ
SPANGDAHLEM AIR BASE, GERMANY	UNITED STATES AIR FORCE, EUROPE	COST INDEX 1.23

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	324	3806	644				1		168	4,943
END FY 2009	320	3822	642				1		168	4,953

7. INVENTORY DATA ($000)

a. Total Acreage:	1,374	
b. Inventory Total as of : (30 Sep 02)		1,472,902
c. Authorization Not Yet in Inventory:		33,217
d. Authorization Requested in this Program:		25,331
e. Authorization Included in the Following Program: (FY 2005)		
fPlanned in Next Four Years Program:		70,642
g. Remaining Deficiency:		33,081
h. Grand Total:		1,635,176

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2004)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
141-786	Passenger Terminal	650 SM	1,546	Apr-02	Sep-03
731-142	Fire Station Annex and Traning Facility	1,150 SM	3,865	Apr-02	Sep-03
742-674	Fitness Center	6,950 SM	17,117	Mar-02	Sep-03
E151-147	South Gate	16,960 LS	2,800	Mar-03	Sep-03
		Total	25,328		

9a. Future Projects: Included in the Following Program: (FY 2005)

None

9b. Future Projects: Typical Planned Next Four Years:

121-111	POL Admin Ops Facility	662 SM	1,592
141-786	Mobility Processing Center	2,220 SM	6,150
141-962	Control Tower	724 SM	4,200
214-426	ADAL Vehicle OPS Complex	4,330 SM	2,500
218-712	AGE Facility	2,560 SM	5,000
4142-758	MRSP/Supply Warehouse	4,554 SM	14,400
610-129	MUNS Maint Admin Maint Facility	560 SM	1,550
721-312	Dormitory (96 PN)	3,674 SM	9,700
721-312	Dormitory (96 PN)	9,600 SM	10,000
722-351	Dining Facility	1,712 SM	6,150
724-417	Visitors Quarters	4,273 SM	9,400

9c. Real Propery Maintenance Backlog This Installation 27

10. Mission or Major Functions: A USAFE installation that is home to the largest fighter operation in Germany. A host Fighter Wing commands three fighter squadrons and an air control squadron flying F-l 6 C&Ds and OA/A-10s.

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	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	FIRR STATION ANNEX AND TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATRGORY CODR	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	731-142	VYHK013203	*3,865*

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
FIRE STATION ANNEX/TRAINING FACILITY	SM	3,650	0	3,103
FIRE STATION ANNEX FACILTY	SM	1,150	2,038	(2,344)
FIRE TRAININGARRA	SM	2,500	190	(475)
ANTITERRORISM FORCE PROTECTION	SM	1,150	247	(284)
SUPPORTING FACILITIES				318
COMMUNICATIONS SUPPORT	LS			(25)
SITE IMPROVEMENTS	LS			(95)
UTILITIES	LS			(120)
PAVEMENTS	LS			(50)
PASSIVE FORCE PROTECTION MEASURES	LS			(28)
SUBTOTAL				3,421
CONTINGENCY (*5.0* %)				171
TOTAL *CONTRACT COST*				3,592
SUPERVISION, INSPECTION AND OVERHEAD (*6.5* %)				233
TOTAL REQUEST				3,825
TOTAL REQUEST (ROUNDED)				3,865
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(150.0)

10. Description of Proposed Construction: Reinforced concrete foundation/floor slabs and masonry walls. Construction to include roll-up doors, fire protection system, living quarters. pitched roof, utilities, site improvements, vehicle parking, and a concrete fire training area with 20cm (6") thick concrete pavement and installation of a fire training structure. Includes minimum DoD interim force protection standards.

11. REQUIREMENT: 3,563 SM ADEQUATE: *605 SM* *SUBSTANDARD:* 1,267 SM

PROJRCT: Construct a Fire Station Annex and Training Area (Current Mission).

REQUIREMENT: A properly sized and functionally adequate fire station annex is required to support fire fighting responses on Spangdahlem AR. Annex muet be manned 24 hours/day, 7 days/week, with overnight accommodations. Project provides a fire station annex strategically located to enable fire fighting personnel to meet 3-minute response times to the furthest end of the runway and to structures within a two-mile radius per DoD Instruction 6055.6. Additionally, an adequate fire training area is required to maintain fire fighter proficiency.

CURRENT SITUATION: Spangdahlem AS currently has only one SO-year old fire atation to support all airfield, base structure, and housing responses. Fire trucks cannot meet required response times to all areas of the base, and vehicles must cross active taxiways to reach most of the base facilities. The current station is undersized for the number of trucks *and* personnel for today's mission. Furthermore, due to the Rhein Main transition/expansion activities, the current fire training area will be demolished to make way for the new aircraft parking ramp. AT/FP costs for this project are higher

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR PORCR	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	FIRE STATION ANNEX AND TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATRGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	731-142	VYHK013203	3,865

han standard DoD guidance due to stricter USCINCEUR AT/FP OPORD 01-01 force protection tandards requiring higher-level structural hardening, splinter protection, and stronger indow treatments.

MPACT IF NOT PROVIDED: Fire fighter reaponse on Spangdahlem AB will continue to be lelayed due to the need to cross active taxiways to respond to daily calls for support. elays in response increase the possibility of loss of life, aircraft and other esources critical to the mission. In addition, fire fighters will continue to work in nferior, inefficient facilities which adversely impact their ability to provide dequate fire protection for the entire base populace and will lack a training area to aintain their fire fighting and crash rescue proficiency.

DDITIONAL: This project is not eligible for NATO funding, however, a precautionary Ire-finance statement will be filed in the event eligibility is established. This roject meets the criteria/scope specified in Air Force Handbook 32-1084, *Facility equirements". A preliminary analysis of reasonable options was done and indicated that nly one option meets operational requirements. A certificate of exception has been repared. Ease Civil Engineer: Lt Col Kurt J. Kaieler, 011-49-6565-6302. Fire Station nnex: 1,150 SM = 12,374 SF; Training Area: 2,500 SM = 26,910 SF.

OREIGN CURRENCY: FCF Budget Rate Used: RDRO-DOLLAR 1.1386

OINT USE CERTIFICATION: Mission requirements, operational considerations, and location re incompatible with use by other components.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LGCATION	4. PROJECT TITLE
SPANGDAHLEM AIR *EASE,* GERMANY	FIRE STATION ANNEX AND TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	731-142	VYHK013203	3,865

12. SUPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	20-APR-02
(b) Parametric Cost Estimates used to develop costs	YES
• (c) Percent Complete as of 01 JAN 2003	35%
• (d) Date 35% Designed	30-AUG-02
(e) Date Deaign Complete	Ol-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	232
(b) All Other Design Costs	116
(c) Total	348
(d) Contract	309
(e) In-house	39

(4) Construction Contract Award	04 FEB
(5) Construction Start	04 MAR
(6) Construction Completion	05 FRB

* 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)
FURNITURE	3400	2005	75
COWKUNICATION EQUIPMENT	3400	2005	75

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJRCT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	PASSENGER TERMINAL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-786	VYHK023001	1,546

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CONSTRUCT PASSENGER TERMINAL	LS			1,106
PASSENGER TERMINAL	SM	650	1,665	(1,082)
ANTITERRORISM FORCE PROTECTION	SM	650	37	(24)
SUPPORTING FACILITIES				260
PAVEMENTS	LS			(80)
UTILITIES	LS			(85)
SITE IMPROVEMENTS	LS			(70)
COMMUNICATION SUPPORT	LS			(25)
SUBTOTAL				1,366
CONTINGENCY (5.0 %)				68
TOTAL CONTRACT COST				1,435
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				93
TOTAL REQUEST				1,528
TOTAL REQUEST (ROUNDED)				1,546

10. Description of Proposed Construction: Construction includes concrete foundations and floor slab, masonry walls, structural steel frame, pitched roof, fire protection system, all utilities, incorporate force protection measures, pavements, HVAC, site improvements, and any additional work associated with this project.

11. REQUIREMENT: 650 SM ADEQUATE: 0 SM SUBSTANDARD: OSM

PROJECT: Construct a Passenger Terminal. (New Mission)

REQUIREMENT: Construct a facility to support in-transit passengers while aircraft servicing or repairs are made. Facility will also be used for processing originating passengers onto aircraft in support of worldwide contingency operations. Providean enclosed secure, covered area for up to 150 passengers to off-load and wait for required aircraft maintenance to be performed prior to re-boarding and proceeding to the final destination. Location needs to be separated from other base activities since passengers will have processed through security at their originating location. Include capability to process passengers on au emergency basis to other aircraft due to mechanical delays or unforeseen requirements. Communications requirements include LAN connectivity, Global Air Terminal Execution System, and a public address system.

CURRENT SITUATION: Due to Rhein-Main Air Base closing by Dec 2005, the airlift mission is being relocated between Ramstein and Spangdahlem. Since this base will be a key European location for in-transit aircraft supporting contingency and peacetime operations, it will be used for re-fueling, performing minor maintenance, and changing aircrews, before continuing on to the final destination. In-transit passengers will be required to wait up to three hours outside the aircraft in the harsh weather conditions, or in vehicles until aircraft servicing is completed.

IMPACT IF NOT PROVIDED: In-transit troops and passengers will have to wait in tnsecured/non-sterile locations, in harsh weather conditions prior to re-boarding

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	PASSENGER TERMINAL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-786	VYHK023001	1,546

aircraft *to* destination. The ramp and hangars will continue to be used for *troops* and passengers waiting to re-board aircraft.

ADDITIONAL: This project is not eligible for NATO funding. This project meets the criteria/scope specified in Air *Force* Handbook *32-1084,* "Facility requirements". A preliminary analysis of reasonable options was done and indicates that only one option meets operational requirements. A certificate of exception has been prepared. Base Civil Engineeer: Lt Col Kurt Kaisler, 011-49-6565-61-6302. Passenger Terminal: 650 SM = *6,994 SF.*

FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR 1.1386

JOINT USE CERTIFICATION: This facility is programmed for joint use with all Other military components; however. it is fully funded by the Air Force.

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	PASSENGER TERMINAL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-786	VYHK023001	1,546

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	04-APR-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	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 Coat (c) = *(a)* + (b) *or* (d) + (e):

	($000)
(a) Production of Plans and Specifications	93
(b) All Other Design costs	46
(c) Total	139
(d) Contract	124
(e) In-house	15

(4) *Construction* Contract Award	04 JAN
(5) Construction Start	04 FEB
(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:
N/A