Department of the Air Force

Military Construction and Family Housing Program

Fiscal Year (FY) 2006/FY 2007 Biennial Budget Estimates

Justification Data Submitted to Congress
February 2005

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MILITARY CONSTRUCTION

PROGRAM SUMMARY

Department Of The Air Force
Military Construction and Military Family Housing
Program Summary
Fiscal Year 2006

	Appropriation Request ($000s)	Authorization Request ($000s)
Military Construction	(Sec 2301)	(Sec 2304)
Inside the United States	782,285	907,285
Outside the United States	193,308	193,308
Planning and Design (10 USC 2807)	79,047	79,047
Unspecified Minor Construction (10 USC 2805)	15,000	15,000
Total Military Construction	$ 1,069,640	$ 1,100,593
Military Family Housing	(Sec 2302/2303)	(Sec 2304)
New Construction	790,501	790,501
Improvements	420,203	420,203
Planning and Design	44,404	44,404
Subtotal	$ 1,251,108	$ 1,251,108
Operations, Utilities, and Maintenance	575,594	575,594
Leasing	154,907	154,907
Privatization	36,437	36,437
Debt Payment	1	1
Subtotal	$ 766,939	$ 766,939
Total Military Family Housing	2,018,047	2,018,047
Grand Total Air Force	$ 3,087,687	$ 3,118,640

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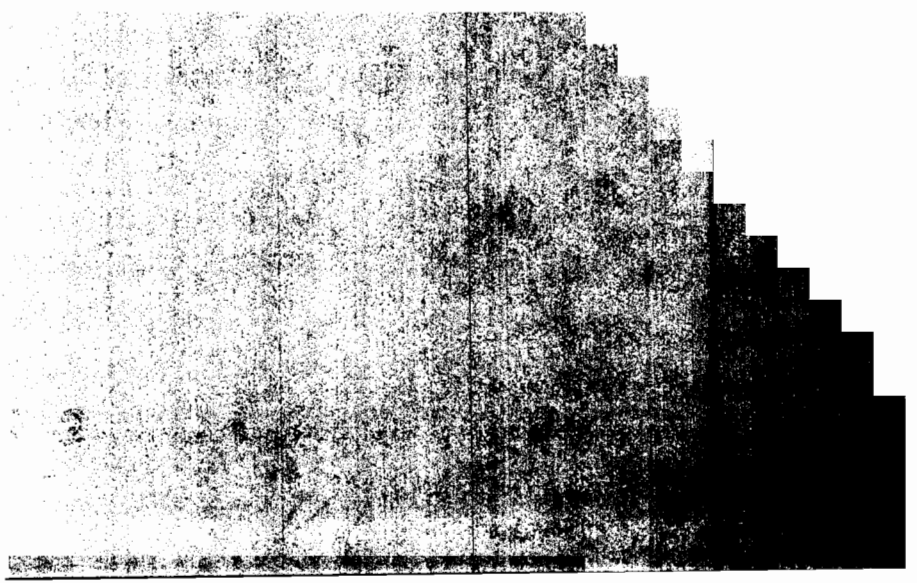

STATE SUMMARY

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2006
(DOLLARS IN THOUSANDS)
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(DOLLARS IN THOUSANDS)
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STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	PAGE
GERMANY	Ramstein	Airfield Maintenance Compound	8,600	8,600	236
		Munitions Maintenance Facility	3,050	3,050	239
		Ramstein TOTAL:	11,650	11,650	
	Spangdahlem	Large Vehicle Inspection Station	5,374	5,374	243
		Control Tower	7,100	7,100	246
		Spangdahlem TOTAL:	12,474	12,474	
		GERMANY TOTAL:	24,124	24,124	
GUAM	Andersen	Joint AF/USDA Working Dog Facility	3,500	3,500	250
		AEF FOL Munitions Storage Igloos	15,000	15,000	254
		Andersen TOTAL:	18,500	18,500	
		GUAM TOTAL:	18,500	18,500	
ITALY	Aviano	Consolidated Support Center Facility	10,850	10,850	258
		Air Control Squadron Warehouse	7,800	7,800	261
		Family Support Center	4,010	4,010	264
		Aviano TOTAL:	22,660	22,660	
		ITALY TOTAL:	22,660	22,660	
KOREA	Kunsan	Dormitory (382RM)	44,100	44,100	268
		Consolidated Personnel Process /Theater Facility	6,800	6,800	271
		Kunsan TOTAL:	50,900	50,900	
	Osan	ADD/ALTER Squadron Operations /AMU Facility	18,969	18,969	276
		Dormitory (156RM)	21,750	21,750	279
		Osan TOTAL:	40,719	40,719	
		KOREA TOTAL:	91,619	91,619	
PORTUGAL	Lajes Field	Fire/Crash Rescue Station	12,000	12,000	283
		Lajes Field TOTAL:	12,000	12,000	
		PORTUGAL TOTAL:	12,000	12,000	
TURKEY	Incirlik	Consolidated Communications Facility	5,780	5,780	287
		Incirlik TOTAL:	5,780	5,780	
		TURKEY TOTAL:	5,780	5,780	
UNITED KINGDOM	Lakenheath	Small Diameter Bomb Maintenance Facility	2,625	2,625	291
		Small Diameter Bomb Storage Igloo and Addition	2,500	2,500	294
		Lakenheath TOTAL:	5,125	5,125	
	Mildenhall	Base Engineer Complex	13,500	13,500	297
		Mildenhall TOTAL:	13,500	13,500	
		UNITED KINGDOM TOTAL:	18,625	18,625	
		OUTSIDE THE US TOTAL:	193,308	193,308	

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(DOLLARS IN THOUSANDS)
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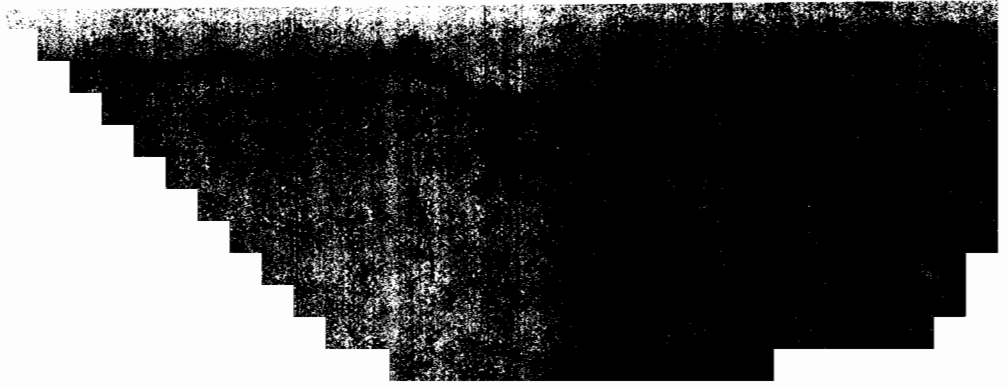

NEW MISSION/CURRENT MISSION

DEFINITIONS OF NEW AND CURRENT MISSION

NEW MISSION PROJECTS - New mission projects all support new and additional programs or initiatives that do not revitalize the existing physical plant. These projects support the deployment and beddown of new weapons systems; new or additional aircraft, missile, and space projects; and new equipment, i.e. radar, communication, computer satellite tracking and electronic security. Planning and design and unspecified minor construction (P-341) are also included in this category.

CURRENT MISSION PROJECTS - These projects revitalize the existing facility plant by replacing or upgrading existing facilities and alleviating long standing deficiencies not generated by new missions or equipment. Included are projects to improve the quality of life, upgrade the workplace, enhance productivity, and achieve compliance with environmental, health and safety standards.

FY06	APPROP ($000)	AUTH FOR APPROP ($000)
NEW MISSION	$247,662	$277,662
CURRENT MISSION	$727,931	$822,931
PLANNING & DESIGN	$79,047	$79,047
MINOR CONSTRUCTION	$15,000	$15,000
TOTAL:	$1,069,640	$1,194,640

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2006
(DOLLARS IN THOUSANDS)
CURRENT MISSION/NEW MISSION BREAKOUT

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	TYPE
ALABAMA	Maxwell	SOC Lodging Facility	14,900	14,900	CM
ALASKA	Clear	Dormitory (100RM)	20,000	20,000	CM
ARKANSAS	Little Rock	Parallel Taxiway AALZ	2,500	2,500	CM
ARIZONA	Luke	Dormitory (144RM)	13,000	13,000	CM
CALIFORNIA	Edwards	Main Base Runway	37,000	103,000	CM
CALIFORNIA	Travis	Amog Global Reach Deployment Center	19,000	19,000	CM
CALIFORNIA	Vandenberg	Fitness Center	16,845	16,845	CM
COLORADO	Buckley	Leadership Development Faciltiy	5,500	5,500	CM
COLORADO	Buckley	ADAL Communications Center	10,600	10,600	CM
COLORADO	Buckley	Consolidated Services Facility	4,000	4,000	CM
COLORADO	Peterson	West Gate Force Protection/Access	12,800	12,800	CM
COLORADO	USAFA	Upgrade Academic Facility	13,000	13,000	CM
DISTRICT OF COLUMBIA	Bolling	Construct Operations Facility	10,400	10,400	CM
DISTRICT OF COLUMBIA	Bolling	Force Protection Main Gate	4,500	4,500	CM
DELAWARE	Dover	Dormitory (144RM)	13,000	13,000	CM
FLORIDA	Hurlburt Field	Weapons Instructor Course Facility	2,540	2,540	CM
FLORIDA	MacDill	Security Forces Facility	11,200	11,200	CM
FLORIDA	MacDill	CENTCOM Joint Intelligence Center, Ph 1	67,000	96,000	CM
FLORIDA	Tyndall	Dormitory (120RM)	9,000	9,000	CM
GEORGIA	Robins	Approach Lighting System	2,000	2,000	CM
GERMANY	Ramstein	Airfield Maintenance Compound	8,600	8,600	CM
GERMANY	Spangdahlem	Control Tower	7,100	7,100	CM
GERMANY	Spangdahlem	Large Vehicle Inspection Station	5,374	5,374	CM
GUAM	Andersen	AEF FOL Munitions Storage Igloos	15,000	15,000	CM
GUAM	Andersen	Joint AF/USDA Working Dog Facility	3,500	3,500	CM
IDAHO	Mountain Home	Base Operations/Rapcon Facility	9,835	9,835	CM
ITALY	Aviano	Family Support Center	4,010	4,010	CM
ITALY	Aviano	Consolidated Support Center Facility	10,850	10,850	CM
ITALY	Aviano	Air Control Squadron Warehouse	7,800	7,800	CM
KOREA	Kunsan	Dormitory (384RM)	44,100	44,100	CM
KOREA	Kunsan	Consolidated Personnel Process/Theater Facility	6,800	6,800	CM
KOREA	Osan	Dormitory (156RM)	21,750	21,750	CM
KOREA	Osan	ADD/ALTER Squadron Operations /AMU Facility	18,969	18,969	CM
MASSACHUSETTS	Fourth Cliff Annex	Erosion Control Stabilization Systems	10,000	10,000	CM
MISSISSIPPI	Keesler	Technical Training Facility	17,400	17,400	CM
MISSISSIPPI	Keesler	Student Dormitory (300RM)	30,100	30,100	CM
NORTH DAKOTA	Minot	Security Forces Vehicle Alert Facility	8,700	8,700	CM
NEBRASKA	Offutt	HQ Air Force Wheather Agency	30,410	30,410	CM
NEBRASKA	Offutt	Repair Runway	19,870	19,870	CM
NEW JERSEY	McGuire	Electrical Distribution System	13,185	13,185	CM
OKLAHOMA	Tinker	31st Combat Comm. Squadron Operations Complex	11,960	11,960	CM
OKLAHOMA	Tinker	Upgrade Building 3001 Infrastructure	20,000	20,000	CM
PORTUGAL	Lajes Field	Fire/Crash Rescue Station	12,000	12,000	CM
SOUTH CAROLINA	Shaw	USCENTAF Commun. Squadron Facility	9,730	9,730	CM
SOUTH CAROLINA	Charleston	ADAL Fitness Center	2,583	2,583	CM
TEXAS	Sheppard	Student Dormitory (300RM)	33,000	33,000	CM
TURKEY	Incirlik	Consolidated Communications Facility	5,780	5,780	CM
UNITED KINGDOM	Mildenhall	Base Engineer Complex	13,500	13,500	CM
UTAH	Hill	Add To Software Support Facility	19,500	19,500	CM
VIRGINIA	Langley	Repair Primary Parking Apron/Taxiway	17,740	17,740	CM
		Current Mission Total:	727,931	822,931	

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2006
(DOLLARS IN THOUSANDS)
CURRENT MISSION/NEW MISSION BREAKOUT

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	TYPE
ALASKA	Elmendorf	C-17 ADAL Survival Equipment Shop	820	820	NM
ALASKA	Elmendorf	C-17 Maintenance Complex, Ph 1	54,000	84,000	NM
ARIZONA	Davis-Monthan	CSAR Squadron Complex	8,600	8,600	NM
CALIFORNIA	Beale	Global Hawk Two Bay Maintenance Hangar	14,200	14,200	NM
CALIFORNIA	Travis	C-17 Add Life Support Facility	1,300	1,300	NM
CALIFORNIA	Travis	C-17 Add Composite Shop	3,200	3,200	NM
CALIFORNIA	Travis	C-17 Maintenance Training Facility	8,100	8,100	NM
DELAWARE	Dover	C-17 Flight Simulator Facility	5,000	5,000	NM
DELAWARE	Dover	C-17 Alter Facilities for Parts Storage	1,000	1,000	NM
FLORIDA	Tyndall	F/A-22 Fuels Maintenance Hangar Addition	2,500	2,500	NM
GERMANY	Ramstein	Munitions Maintenance Facility	3,050	3,050	NM
HAWAII	Hickam	DCGS Construct Intel Squadron Ops. Facility	5,678	5,678	NM
NEW MEXICO	Kirtland	HC-130P Simulator Facility	6,600	6,600	NM
NEVADA	Indian Springs	Predator Training Facilities	8,820	8,820	NM
NEVADA	Indian Springs	Predator Munitions Complex	9,330	9,330	NM
NEVADA	Indian Springs	Predator Maintenance And Logistics Complex	19,260	19,260	NM
NEVADA	Indian Springs	Predator Operations Facilities	23,314	23,314	NM
NEVADA	Nellis	F/A-22 ADAL Low Observable Composite Facility	9,330	9,330	NM
NEVADA	Nellis	F/A-22 Add/Alter Weapons School	10,240	10,240	NM
OHIO	Wright-Patterson	ADD/ALTER Intelligence Production Complex	19,670	19,670	NM
TEXAS	Sheppard	T-6 Combs Warehouse	3,000	3,000	NM
UNITED KINGDOM	Lakenheath	Small Diameter Bomb Maintenance Facility	2,625	2,625	NM
UNITED KINGDOM	Lakenheath	Samll Diameter Bomb Storage Igloo and Addition	2,500	2,500	NM
UTAH	Hill	F/A-22 Aircraft Battle Damage Repair Tra/Sto. Fac.	4,600	4,600	NM
VIRGINIA	Langley	F/A-22 Munitions Storage Complex	20,925	20,925	NM
		New Mission Total:	247,662	277,662	
VARIOUS LOCATIONS	Various	P-341 Active	15,000	0	P341
VARIOUS LOCATIONS	Various	P&D Active	79,047	0	PLN
		Central Program Total	94,047	0	
		Total Active AF Program	1,069,640	1,100,593	

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INSTALLATIONS

MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 2006 PRESIDENT'S BUDGET
INSTALLATION INDEX

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SPECIAL PROGRAM CONSIDERATIONS

ECONOMIC CONSIDERATIONS

An economic evaluation has been accomplished for all projects costing over $2 million and the results are addressed in the individual DD Forms 1391. Life cycle economic analyses or justifications why an economic analysis was not warranted will be provided upon request.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL

In accordance with Public Law, 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

ENVIRONMENTAL STATEMENT

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process (EIAP) has been completed or is actively underway for all projects in the Air Force FY 2006 Military Construction Program.

EVALUATION OF FLOOD PLAINS AND WETLANDS

All projects in the program have been evaluated for compliance with Executive Orders 11988, Flood Plain Management, and 11990, Protection of Wetlands, and the Flood Plain Management Guidelines of U.S. Water Resources Council. Projects have been sited to avoid or reduce the risk of flood loss, minimize the impact of floods on human safety, health and welfare, preserve and enhance the natural and beneficial values of wetlands and minimize the destruction, loss or degradation of wetlands.

FY 2006

CONGRESSIONAL REPORTING REQUIREMENTS

1. STATEMENTS ON NATO ELIGIBILITY

These are in response to the requirement in the FY 1988 Senate Appropriations Committee Report, 100-200, page 13, and are included in the appropriate project justification.

2. STATEMENTS ON COMPLIANCE WITH CONSTRUCTION MANUAL 4210.1M

These are in response to the requirement in the FY 1988 Senate Appropriations Conference Report, 100-498, page 1003, and are included in each project justification.

3. NEW AND CURRENT MISSION ACTIVITIES

The FY 1989 Senate Appropriations Committee Report, 100-380, pages 10 and 11, identified a requirement to include an exhibit in the budget justification books that displayed required projects in two separate categories: New Mission and Current Mission. The CM (current mission) or NM (new mission) designation, which follows the project on the listing at page 9, identifies each project as new or current mission. Additionally, each justification in Block 11 of the DD Form 1391 indicates whether the project supports a new or current mission.

4. RESOLUTION TRUST CORPORATION ASSETS

The FY 1991 Senate Armed Services Committee Report, 101-384, requested the Department to screen Resolution Trust Corporation assets to determine if proposed construction projects could be more economically met through the purchase of existing assets held by the Resolution Trust Corporation. The FY06 Military Construction program was compared to the current real estate asset inventory published by the Resolution Trust Corporation. It was determined, and the Department certified, that no assets exist that can be economically used in lieu of the FY06 projects requested.

5. REAL PROPERTY MAINTENANCE

The FY 1997 House Appropriations Committee Report, 104-591, page 11, requested the Department to provide the real property maintenance backlog at all installations for which there is a requested construction project. Each DD Form 1390 reflects this information in block 12. In addition, the report requested all troop housing requests to show all real property maintenance conducted in the past two years and all future requirements for unaccompanied housing at that installation. Each DD Form 1391 for troop housing reflects this information in block 11.

6. METRIC CONVERSION

The FY 1999 House Appropriation Committee Report, 105-578, page 11, requested the Department to ensure that any Form 1390/1391, which is presented as justification in metric measurement, shall include parenthetically the English measurement. Each DD Form 1391 reflects the metric and English equivalent in block 11.

FY 2006

NON-MILCON FUNDING

Research and Development (RDT&E) **NONE**

FY 2006

THIRD PARTY FINANCING

Test of long-term facilities contracts	**NONE**

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APPROPRIATION LANGUAGE

APPROPRIATIONS LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property of the Air Force as currently authorized by law $1,609,640,000 to remain available until September 30, 2010: Provided that, of this amount, not to exceed $79,047,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefore.

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BUDGET DATA

INSIDE THE UNITED STATES

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

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

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	841	920	999	690	0	0	74	39	260	3,823
END FY 2009	843	912	1001	690	0	0	61	34	266	3,807

7. INVENTORY DATA ($000)

a. Total Acreage:	4,233	
b. Inventory Total as of : (30 Sep 04)		1,402,029
c. Authorization Not Yet in Inventory:		55,312
d. Authorization Requested in this Program:		14,900
e. Authorization Included in the Following Program:	(FY 2007)	0
f. Planned in Next Four Years Program:		44,900
g. Remaining Deficiency:		7,300
h. Grand Total:		1,524,441

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
724-417	SOC Lodging Facility	162 RM	14,900	May-04	Sep-05
		Total	14,900		

9a. Future Projects: Included in the Following Program: (FY2007)

None

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

171-356	ADAL Air University Library	13,325 SM	13,200
740-674	Fitness Center, Gunter Annex	4,671 SM	12,400
724-417	SOC Lodging Facility, Ph 5	7,700 SM	14,300
740-674	ADAL Fitness Center	5,500 SM	5,000
		Total	44,900

9c. Real Property Maintenance Backlog This Installation ($M) 91

10. Mission or Major Functions: Home to Headquarters Air University including Air War College, Air Command and Staff College, Squadron Officer School, College of Aerospace Doctrine Research and Education, Ira C. Eaker College for Professional Development, Air Force Officer Accession and Training School, and Community College of the Air Force; Headquarters Civil Air Patrol; Headquarters Air Force ROTC; an air base wing; an AMC airlift flight, and an Air Force Reserve airlift wing.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MAXWELL AIR FORCE BASE, ALABAMA	SOC LODGING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	724-417	PNQS053140	14,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
SOC LODGING FACILITY				10,250
SOC LODGING FACILITY (162 RM)	SM	7,700	1,318	(10,145)
ANTITERRORISM FORCE PROTECTION	LS			(105)
SUPPORTING FACILITIES				3,168
UTILITIES	LS			(895)
PAVEMENTS	LS			(783)
SITE IMPROVEMENTS	LS			(568)
COMMUNICATIONS	LS			(298)
DEMOLITION	SM	4,572	137	(624)
SUBTOTAL				13,418
CONTINGENCY (5.0 %)				671
TOTAL CONTRACT COST				14,089
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				803
TOTAL REQUEST				14,892
TOTAL REQUEST (ROUNDED)				14,900
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,200.0)

10. Description of Proposed Construction: A multi-story lodging facility constructed with reinforced concrete foundation and floor slabs, structural steel frame, masonry walls and sloped architecturally compatible roof. Project includes room-bath modules, laundries, storage and lounge areas, elevators, site improvements, extended utilities and all necessary support. Includes antiterrorism/force protection requirements identified in DoD unified facilities criteria. Demolish two dormitories (4,572 SM) and associated appurtenances. Grade Mix: O1-O3, and civilians (162)

Air Conditioning: 220 Tons

11. REQUIREMENT: 1,571 RM ADEQUATE: 761 RM SUBSTANDARD: 670 RM

PROJECT: Squadron Officer College (SOC) Lodging Facility. (Current Mission)

REQUIREMENT: Adequate living quarters to accommodate students (company grade officers and civilians), that attend one of the 5-week courses that are offered at the Squadron Officer School (SOS) or Aerospace Basic Course (ABC). Properly designed quarters which provide appropriate degree of individual privacy are essential for successful training. The new SOC lodging facility will provide student interaction space, both social and recreational. This is the fourth of an eight-phase program. Phase four through eight will replace the existing, deteriorated dorms.

CURRENT SITUATION: Existing dormitories were constructed in 1956. They have had only limited minor upgrades over the years. In addition to SOS, the Air University at Maxwell initiated the new Aerospace Basic Course (ASBC) in FY99. This course is designed to initiate new officers and civilian employees to the Air Force. The addition of ASBC has increased the demand for adequate dormitory space on the Maxwell campus. Adequate quarters are not available off-base. The local community cannot provide the

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MAXWELL AIR FORCE BASE, ALABAMA	SOC LODGING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	724-417	PNQS053140	14,900

number of rooms required to effectively operate the two courses. Additional space is required.

IMPACT IF NOT PROVIDED: Maxwell AFB will be unable to meet the requirements for housing SOS and ASBC students. This will adversely affect the overall education mission and potentially impact retention.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Standard Facility Requirements." An economic analysis has been prepared comparing alternatives of new construction, revitalization, leasing and status quo operation. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. ASBC Student Load - 6 classes/yr, 6-weeks long, 840 students per class. SOS Student Load - 7 classes/yr, 5-weeks long, 420 students per class. Base Civil Engineer: Mr. John Prior (334) 953-7007. Squadron Officer College: 7,700 SM = 82,882 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MAXWELL AIR FORCE BASE, ALABAMA	SOC LODGING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	724-417	PNQS053140	14,900

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	858
(b) All Other Design Costs	429
(c) Total	1,287
(d) Contract	1,073
(e) In-house	215

(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 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:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNITURE	3400	2007	1,200

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE ALASKA	COMMAND: PACIFIC AIR FORCES	5. AREA CONST COST INDEX 1.68

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	900	6,560	1,807	0	63	0	117	393	2,300	12,140
END FY 2009	893	6,312	1,846	0	63	0	117	393	2,300	11,924

7. INVENTORY DATA ($000)

Total Acreage:	13,123	
Inventory Total as of : (30 Sep 04)		7,087,740
Authorization Not Yet in Inventory:		2,000
Authorization Requested in this Program:		54,820
Authorization Included in the Following Program:	(FY 2007)	73,000
Planned in Next Three Years Program:		46,100
Remaining Deficiency:		267,700
Grand Total:		7,531,360

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-111	C-17 Maintenance Complex, Phase 1	14,040	SM	54,000	Design Build	
218-852	C-17 ADAL Survival Equipment Shop	149	SM	820	May-04	Sep-05
		Total		54,820		

9a. Future Projects: Included in the Following Program: (FY2007)

211-111	C-17 Maintenance Complex, Phase 2	14,404	SM	30,000	Design Build	
721-312	Dormitory (120 Rm)	120	RM	21,500	May-05	Sep-06
721-312	Dormitory (120 Rm)	120	RM	21,500	May-05	Sep-06
		Total		73,000		

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

171-212	Construct F-15E Flight Simulator (DMO)	650	SM	8,000
217-712	Replace Avionics Shop	2,508	SM	10,800
171-815	Replace Alaska Regional PME Center	1,150	SM	11,000
214-425	Construct Auto Vehicle Wash/Ops Fac	464	SM	4,500
811-145	Repair Arctic Utilities & Infra, Ph1/10	1	LS	9,900
219-944	Construct Entomology Facility	220	SM	1,900
		Total		46,100

9c. Real Property Maintenance Backlog This Installation ($M) 210

10. Mission or Major Functions: A host wing supporting three fighter squadrons including two F-15C/D squadrons, one F-15E squadron, one E-3 air control squadron and an airlift squadron with C-130H and C-12 aircraft; Headquarters Eleventh Air Force; Alaska Command and Alaska NORAD Region Headquarters.

11. Outstanding pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	C-17 MAINTENANCE COMPLEX, PHASE I

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	211-159	FXSB053007A	AUTH: 84,000 APPN: 54,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
C-17 MAINTENANCE COMPLEX				68,596
PAINTING HANGAR BAY	SM	3,629	4,892	(17,753)
SQUADRON OPERATIONS	SM	3,309	2,755	(9,116)
GENERAL MAINTENANCE HANGAR BAY	SM	3,345	4,732	(15,829)
MAINTENANCE SHOPS	SM	7,069	3,050	(21,560)
ANTITERRORISM/FORCE PROTECTION	SM	17,352	250	(4,338)
SUPPORTING FACILITIES				6,519
UTILITIES	LS			(1,282)
PAVEMENTS	LS			(800)
SITE IMPROVEMENTS	LS			(885)
DEMOLITION	SM	3,062	393	(1,202)
CONTAMINATED SOIL REMEDIATION	LS			(615)
COMMUNICATIONS	LS			(525)
SPECIAL FOUNDATION	LS			(860)
PASSIVE FORCE PROTECTION	LS			(350)
SUBTOTAL				75,115
CONTINGENCY (5.0 %)				3,756
TOTAL CONTRACT COST				78,871
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				5,127
TOTAL REQUEST				83,998
TOTAL REQUEST (ROUNDED)				84,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,750)

10. Description of Proposed Construction: Reinforced concrete foundation, structural steel frame, floor slabs, insulated metal walls, and roof. Structure to be an enclosed C-17 maintenance complex that includes two hangar bays (one washing and general maintenance, the other for painting) with primary jacking points, inspection and maintenance shops, supervisory space, tool cribs, squadron operations and administration, training, reference, dispatch, and analysis areas; aircrew area with lockers, scheduling, life support, debriefing, and ready rooms; mechanical areas, utilities, communications, renewable energy measures; fire protection, detection and suppression systems; antiterrorism/force protection (AT/FP) measures, contaminated soil remediation, parking, access roads, apron, demolition of a nose dock hangar (3,062 SM), and all necessary support facilities and utilities.

11. REQUIREMENT: 17,352 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct a C-17 aircraft maintenance complex, phase 1. (New mission)

REQUIREMENT: Elmendorf AFB requires a maintenance complex to support the new C-17 aircraft beddown. Arctic weather often restricts flight line operations for routine maintenance such as aircraft jacking for tire/brake changes, control surface work and general maintenance workload requirements. A hangar bay is needed for maintenance

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE C-17 MAINTENANCE COMPLEX, PHASE I	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 211-159	7. PROJECT NUMBER FXSB053007A	8. PROJECT COST ($000) AUTH: 84,000 APPN: 54,000

operations and aircraft washing, regardless of external weather conditions. Heavy maintenance workload, such as control surface changes or landing gear removal, is required to be accomplished with proper jacking conditions, aircraft leveling, and use of overhead crane capability. This type of work drives the requirement for special foundations. This bay includes an indoor wash rack. Mandatory C-17 maintenance inspections by aircraft maintenance specialists are most effective when carried out at an established aircraft dock in a covered hangar work area. The maintenance complex includes a flightline maintenance shop that facilitates effective and safe C-17 maintenance management, administration, span of control, flightline dispatch, and aircrew support and transportation. This facility requires the capability for structural repair, composite repair, repair and reclamation, pneudraulics, environmental controls, and electrical systems, which are required to maintain and repair parts on the C-17s. This capability will involve machine shops, a sheet metal shop, a composite metal shop, a corrosion control shop, and a non-destructive inspection (NDI) shop for off aircraft work on small parts. The second hangar bay is needed for painting. This complex also includes space for squadron operations. Contaminated soil remediation is expected on this project due to the presence of an abandoned fire training pit in the construction area. The aircraft are scheduled to arrive in the fourth quarter of FY07.

CURRENT SITUATION: The base has no facility that can provide the required full enclosure necessary for C-17 maintenance and painting requirements. There are no local work around alternatives to remedy this situation. The maintenance of C-17 and its exterior composite materials is a new requirement at Elmendorf. No composite material shop exists on base to comply with C-17 technical order requirements, and no current shop space exists that could adequately be converted to meet C-17 composite maintenance requirements. This work cannot be performed under uncontrolled environmental conditions. Because of Elmendorf's arctic location it is imperative that aircraft be inside for most scheduled maintenance and much unscheduled maintenance. Working on aircraft with gloves is not possible in most cases. Also, because of the size of many C-17s parts and panels, the existing maintenance support shops are too small to bring the parts inside.

IMPACT IF NOT PROVIDED: Without this complex, proper beddown of the C-17 at Elmendorf AFB will not be possible, and full mission capability will not be reached. Adequate aircraft maintenance on the C-17 cannot be performed in accordance with technical orders or in an efficient manner resulting in degradation to mission capability and higher than necessary safety risks from working in arctic weather conditions. Without this complex many maintenance functions would have to be performed at other locations, which takes aircraft out of normal schedule rotations. Reliance on off station corrosion control and associated maintenance requirements would have a negative impact on aircraft availability, operational training, efficient maintenance scheduling and mission capability.

ADDITIONAL: Due to the size and cost of this project, and considering the short Alaskan construction season, incremental funding across two fiscal years is recommended. This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception has been

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	C-17 MAINTENANCE COMPLEX, PHASE I

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	211-159	FXSB053007A	AUTH: 84,000 APPN: 54,000

prepared. Base Civil Engineer: Colonel Chris Thelen: (907) 552-3007. (Maintenance Complex: 17,352 SM = 186,777 SF). This Phase I (FY06) Appropriation is $54,000,000 and Phase II (FY07) Appropriation request will be $30,000,000.

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

AUTHORIZATION AND APPROPRIATION SUMMARY:

	REQUESTED FY 2006
AUTHORIZATION OF THE PROJECT:	$84.0M
AUTHORIZATION FOR APPROPRIATION:	$54.0M
APPROPRIATION:	$54.0M

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	C-17 MAINTENANCE COMPLEX, PHASE I

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	211-159	FXSB053007A	AUTH: 84,000 APPN: 54,000

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 2,232

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 08 FEB

(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)
EQUIPMENT AND FURNISHINGS	3400	2006	1,500
COMMUNICATIONS EQUIPMENT	3400	2006	250

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	C-17 ADAL SURVIVAL EQUIPMENT SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	218-852	FXSB053020	820

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
SURVIVAL EQUIPMENT SHOP				552
ADD TO SURVIVAL EQUIPMENT SHOP	SM	149	2,000	(298)
ALTER SURVIVAL EQUIPMENT SHOP	SM	829	288	(239)
ANTITERRORISM/FORCE PROTECTION	SM	978	15	(15)
SUPPORTING FACILITIES				175
UTILITIES	LS			(100)
SITE IMPROVEMENTS	LS			(25)
PAVEMENTS	LS			(50)
SUBTOTAL				727
CONTINGENCY (5.0 %)				36
TOTAL CONTRACT COST				763
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				50
TOTAL REQUEST				813
TOTAL REQUEST (ROUNDED)				820
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(50.0)

10. Description of Proposed Construction: Construct a 149 SM addition with 14' ceiling to the existing Survival Equipment Shop and alter the existing shop to accommodate the expanded operations. This project includes all necessary support, antiterrorism force protection measures and environmental requirements.

11. REQUIREMENT: 978 SM ADEQUATE: 0 SM SUBSTANDARD: 829 SM

PROJECT: Add/Alter to C-17 Survival Equipment Shop. (New Mission)

REQUIREMENT: The C-17 weapon system mission requires a survival equipment shop that includes a drying tower, staging area, sewing room, supply storage, survival equipment kit inspection room, life raft inspection and packing area, and parachute cleaning and packing area. Personnel will accomplish the following duties in the survival equipment shop: inspection, repair, manufacture and repack of fabric, canvas, rubber and rubberized components/articles. Because of their large size (42 PN) the life rafts used on the C-17 require an area with a 14' ceiling height. This allows them to be turned over during inspections and repairs. Antiterrorism Force Protection features will be in accordance with local threat assessment. Project supports C-17 beddown which begins FY07/3.

CURRENT SITUATION: The existing survival equipment shop cannot adequately support the requirement to inspect and maintain all of the life support equipment used on the new C-17 aircraft being assigned to Elmendorf AFB, because the ceilings are too low to inspect and repair the large life rafts used on those aircraft. Because of their large size (42 PN) the life rafts used on the C-17 require an area with a 14' ceiling height to allow them to be turned over during inspections and repairs. The current facility does not have such an area.

IMPACT IF NOT PROVIDED: Without an adequate area, it will not be possible to conduct

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	C-17 ADAL SURVIVAL EQUIPMENT SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	218-852	FXSB053020	820

the required inspections and make repairs during the long arctic winter months. This situation would have an adverse effect on flight safety and mission accomplishment.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirement; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Base Civil Engineer: Col Richard Fryer, (907) 552-3007. (Addition: 149 SM = 1,604 SF Alteration: 829 SM = 8,923 SF).

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	C-17 ADAL SURVIVAL EQUIPMENT SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	218-852	FXSB053020	820

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	49
(b) All Other Design Costs	25
(c) Total	74
(d) Contract	61
(e) In-house	13
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	06 DEC

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
NETWORKING EQUIPMENT (NIPRNET)	3400	2006	50

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
CLEAR AIR STATION ALASKA	AIR FORCE SPACE COMMAND	2.16

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	8	30	59	0	0	0	0	0	0	97
END FY 2009	8	30	59	0	0	0	0	0	0	97

7. INVENTORY DATA ($000)

Total Acreage:	11,438	
Inventory Total as of : (30 SEP 04)		140,043
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		20,000
Authorization Included in the Following Program:	(FY 2007)	0
Planned in Next Four Years Program:		32,597
Remaining Deficiency:		0
Grand Total:		192,640

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
721-312	Dormitory (100 RM)	100	RM	20,000	Design-	Build
		Total		20,000		

9a. Future Projects: Included in the Following Program: (FY 2007)

None

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

730-142	Fire Station	1,500	SM	7,500
811-147	Power Plant Loading	3,500	SM	3,797
610-127	Civil Engineering Complex	8,100	SM	10,000
740-674	Fitness Center	2,550	SM	11,300

9c. Real Propery Maintenance Backlog This Installation ($M) 10

10. Mission or Major Functions: The mission of the 13th Space Warning Squadron (SWS) at Clear AFS is to detect and provide early warning and assessment of a ballistic missile attack against the United States and Canada and to provide space surveillance for satellites and space objects.

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CLEAR AIR STATION, ALASKA	DORMITORY (100 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	721-312	DXEB063001	20,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
DORMITORY				14,733
DORMITORY (100 RM)	SM	3,500	3,994	(13,979)
ANTITERRORISM/FORCE PROTECTION	LS			(146)
PASSAGEWAY	LS			(608)
SUPPORTING FACILITIES				3,179
UTILITIES	LS			(1,250)
PAVEMENTS	LS			(625)
SITE IMPROVEMENTS	LS			(255)
COMMUNICATIONS	LS			(295)
DEMOLITION	SM	2,900	160	(464)
ASBESTOS ABATEMENT	SM	2,900	100	(290)
SUBTOTAL				17,912
CONTINGENCY (5.0 %)				896
TOTAL CONTRACT COST				18,808
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				1,222
TOTAL REQUEST				20,030
TOTAL REQUEST (ROUNDED)				20,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2,000)

10. Description of Proposed Construction: Construct three-story facility consisting of a reinforced concrete foundation with slab on grade, concrete masonry walls and Exterior Insulation Facing System (EIFS) finish and pitched standing seam metal roof. Project includes four-bedroom modules, with individual bathroom and walk-in closets, shared social space/kitchen, pavements, fire detection/suppression systems, and other utilities. The new facility will be heated with steam. Steam, potable water and condensate return will be provided through a underground concrete duct system. Sanitary waste will be piped approximately 500 LF with a lift station for tie-in to the existing sewage system. Buried electrical service with a pad-mounted transformer and switch cabinet will be provided. Comply with DoD Force Protection requirements per the Unified Facilities Criteria. Demolish 5 facilities (2,900 SM).

Air Conditioning: 75 Tons Grade Mix: E1-E4 100

11. REQUIREMENT: 370 RM ADEQUATE: 220 RM SUBSTANDARD: 150 RM

PROJECT: Construct a dormitory (100 RM). (Current Mission)

REQUIREMENT: A major Air Force objective is to provide personnel housing conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters providing some degree of indivdual privacy are essential to 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. This project is in accordance with the Air Force Dormitory Master Plan for Clear Air Force Station.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CLEAR AIR STATION, ALASKA	DORMITORY (100 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	721-312	DXEB063001	20,000

CURRENT SITUATION: As verified by the Air Force Dormitory Master Plan, the installation dormitories are inadequate and are located away from the main areas of the installation providing limited access to the community facilities. The five substandard dormitory buildings were built in 1959 and are constructed of combustible materials and have gang latrines. The effects of the harsh Alaskan environment on the facilities is apparent as noted by their deteriorated condition.

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

ADDITIONAL: This project meets the scope/criteria specified in the new uniform barracks construction standard, known as "dorms-4-airmen module", established by Air Force. 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. A certificate of exception will be prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other applicable laws and Executive Orders. FY2003 Unaccompanied Housing RPM Conducted: $200K; FY2004 Unaccompanied Housing RPM Conducted: $250K. Future Unaccompanied Housing RPM requirements (estimated): FY05: $300K; FY06: $400K; FY07: $560K. Base Civil Engineer: David B. McCormick, (719) 556-7631. Dormitory: 3,500 SM = 37,674 SF.

JOINT USE CERTIFICATION: This project 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CLEAR AIR STATION, ALASKA	DORMITORY (100 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	721-312	DXEB063001	20,000

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 400

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 07 NOV

(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)
FURNISHINGS	3400	2006	2,000

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	AIR COMBAT COMMAND	0.98

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	1,013	5,686	1,749	0	553	0	2	24	471	9,498
END FY 2009	1,041	5,856	1,721	0	553	0	2	24	471	9,668

7. INVENTORY DATA ($000)		
a. Total Acreage:	10,978	
b. Inventory Total as of : (30 Sep 04)		1,610,284
c. Authorization Not Yet in Inventory:		17,000
d. Authorization Requested in this Program:		8,600
e. Authorization Included in the Following Program:	(FY 2008)	15,400
f. Planned in Next Four Years Program:		87,700
g. Remaining Deficiency:		9,000
h. Grand Total:		1,747,984

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
141-454	CSAR Squadron Complex	4647 SM	8600	Apr-04	Sep-05
		Total	8,600		

9a. Future Projects: Included in the Following Program:		(FY2007)			
610-243	CSAR Group HQ Facility	1914 SM	4,600	Design Build	
731-142	Fire/Crash Rescue Station	3,500 SM	10,800	May-05	Sep-06
		Total	15,400		

9b. Future Projects: Typical Planned Next Four Years:			
730-441	Education Center/Library	5,184 SM	11,200
211-111	AMARC Hangar	7,130 SM	17,000
721-312	Replace Dormitory (144 RM)	4,752 SM	12,500
724-417	Visiting Quarters	6,370 SM	14,800
141-821	Packaging & Crating Facility	4,500 SM	6,600
610-127	CE Administrative Facility	3,539 SM	7,800
171-618	A-10 Consolidated FTU Facility	3,190 SM	8,300
740-253	Family Support Center	905 SM	2,300
610-281	Consolidated Mission Support Center	3,300 SM	7,200
		Total	87,700

9c. Real Propery Maintenance Backlog This Installation: ($M)	85

10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/OA-10 aircrews; one A/OA-10 fighter squadron, two EC-130 electronic combat squadrons, an active HC-130 squadron, an active HH-60 squadron, a tactical air control wing; an Air Force Reserve HH-60 rescue squadron; and Air Force Material Command's Aerospace Maintenance and Regeneration Center.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

a. Air pollution

b. Water Pollution

c. Occupational Safety and Health

d. Other Environmental

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	CSAR SQUADRON COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27224	141-454	FBNV053003	8,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CSAR SQUADRON COMPLEX				6,645
OPERATIONS FACILITY	SM	3,532	1,599	(5,647)
WAREHOUSE	SM	1,115	866	(966)
ANTITERRORISM FORCE PROTECTION	SM	4,647	7	(32)
SUPPORTING FACILITIES				1,139
UTILITIES	LS			(527)
PAVEMENTS	LS			(287)
SITE IMPROVEMENTS	LS			(190)
COMMUNICATION SUPPORT	LS			(110)
RAPELLING AND ROCK CLIMBING WALL	LS			(25)
SUBTOTAL				7,784
CONTINGENCY (5.0 %)				389
TOTAL CONTRACT COST				8,174
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				466
TOTAL REQUEST				8,640
TOTAL REQUEST (ROUNDED)				8,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(122.0)

10. Description of Proposed Construction: Construction includes split-faced block wall with reinforced concrete foundation and floor slab, and structural steel frame with standing seam metal roof. Fire protection/detection, utilities, site improvements, landscaping, access road, open storage yard with screen wall, parking and all necessary support. Comply with DoD force protection requirements per unified facilities criteria.

Air Conditioning: 130 Tons

11. REQUIREMENT: 9,881 SM ADEQUATE: 5,234 SM SUBSTANDARD: 0 SM

PROJECT: Construct a CSAR squadron complex. (New Mission)

REQUIREMENT: A facility is required to adequately support the administrative, training, vehicle, and equipment maintenance and storage requirements for the new combat rescue officer (CRO)-led rescue squadron. The pararescue mission requires adequate space for planning, briefing, and supporting operations personnel. This mission also requires space to maintain combat search and rescue (CSAR) equipment, store and maintain medical supplies, and conduct training.

CURRENT SITUATION: Davis-Monthan AFB does not have any excess or adequate facilities that can be converted to accommodate this new combat search and rescue (CSAR) mission beddown. They are currently operating out of an inadequate old hangar that can not adequately support them. They are currently manned at 50% and continue to increase every month. The additional peronnel will be working in a temporary facility, until this project is completed.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	CSAR SQUADRON COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27224	141-454	FBNV053003	8,600

IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential pararescue mission planning functions. The potential for significant degradation of mission performance and capabilities will be increased. In addition, due to the inadequate work environment, morale of Air Force personnel will be lowered resulting in less productivity.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, an economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Karl S. Bosworth (520) 228-3401. Operations Facility: 3,532 SM = 38,000 SF; Warehouse: 1,115 SM = 12,000 SF.

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA	CSAR SQUADRON COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27224	141-454	FBNV053003	8,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-APR-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	01-AUG-04
(e) Date Design Complete	01-SEP-05
(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	516
(b) All Other Design Costs	258
(c) Total	774
(d) Contract	680
(e) In-house	94
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 MAY

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATION EQUIPMENT	3080	2006	122

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
LUKE AIR FORCE BASE ARIZONA	AIR EDUCATION AND TRAINING COMMAND	1.0

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	447	4326	793	129	0	0	39	163	338	6,235
END FY 2009	431	4317	638	116	0	0	39	163	364	6,068

7. INVENTORY DATA ($000)

a. Total Acreage:	4,359	
b. Inventory Total as of : (30 Sep 04)		1,504,126
c. Authorization Not Yet in Inventory:		42,593
d. Authorization Requested in this Program:		13,000
e. Authorization Included in the Following Program: (FY 2007)		8,000
f. Planned in Next Four Years Program:		44,600
g. Remaining Deficiency:		30,000
h. Grand Total:		1,642,319

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
721-312	Dormitory	144 RM	13,000	Design-	Build
		Total	13,000		

9a. Future Projects: Included in the Following Program: (FY2007)

721-312	Dormitory	96 RM	8,000	Design-	Build
		Total	8,000		

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

111-111	Repair Airfield Pavements	111,484 SM	14,400
740-674	Fitness Center	6,783 SM	11,000
610-286	Contracting Center	924 SM	4,500
131-111	Communications Operations Center	5,606 SM	14,700
		Total	44,600

9c. Real Property Maintenance Backlog This Installation ($M) 75

10. Mission or Major Functions: A flying training wing which conducts initial F-16 training and an Air Force Reserve fighter wing.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LUKE AIR FORCE BASE, ARIZONA	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	NUEX053013	13,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
DORMITORY				8,541
DORMITORY (144 RM)	SM	4,752	1,650	(7,841)
ANTITERRORISM FORCE PROTECTION	LS			(700)
SUPPORTING FACILITIES				3,131
UTILITIES	LS			(956)
PAVEMENTS	LS			(750)
SITE IMPROVEMENTS	LS			(685)
COMMUNICATIONS	LS			(500)
DEMOLITION	SM	2,397	100	(240)
SUBTOTAL				11,672
CONTINGENCY (5.0 %)				584
TOTAL CONTRACT COST				12,255
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				699
TOTAL REQUEST				12,954
TOTAL REQUEST (ROUNDED)				13,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(840)

10. Description of Proposed Construction: Construct multi-story dormitory with reinforced concrete foundations/slabs, masonry walls and standing seam metal roof, complete with A/C system, parking, walkways, laundry, storage, and communications. Includes antiterrorism/force protection requirements identified in the DoD Unified Facilities Criteria. Project demolishes two existing dormitories (2,397 SM) and abates lead based paint.

Air Conditioning: 130 Tons Grade Mix: E1-E4 144

11. REQUIREMENT: 935 RM ADEQUATE: 496 RM SUBSTANDARD: 375 RM

PROJECT: Construct multi-story dormitory with reinforced concrete foundations/slabs, masonry walls and standing seam metal roof, complete with A/C system. Dormitory will be designed with laundry facilities and adequate storage. Project demolishes two dormitories (2,397 SM (156 RMs)) and abates lead-based paint. (Current Mission)

REQUIREMENT: The Air Force relies on highly trained, motivated unaccompanied enlisted men and women to support our increasingly technical air and space missions. The retention of these highly trained airmen is essential to our readiness posture and continuing worldwide presence. Investments in the quality of life for our most valued resource, our people, helps foster an atmosphere of privacy and quality that plays a key role in force retention and readiness. Therefore, Air Force leadership places special emphasis on the quality of housing for our unaccompanied enlisted force. Requirement exists for a 144 PN (rooms) unaccompanied enlisted dormitory. Force protection measures will be incorporated IAW USAF Installation Force Protection Guide. This project is in accordance with the Air Force Dormitory Master Plan.

CURRENT SITUATION: The base has inadequate on-base housing to accomodate the

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LUKE AIR FORCE BASE, ARIZONA	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	NUEX053013	13,000

unaccompanied enlisted personnel. This project is the second phase of a multi-phase dormitory program, which includes replacement and demolition of existing dormitory buildings. The existing dormitories were constructed in 1959 and do not meet current dormitory space and configuration standards. The dormitory rooms are too small, maintenance costs are increasing, and are partially located within the force protection setback distances.

IMPACT IF NOT PROVIDED: Retention, morale, and career satisfaction will continue to be adversely affected with the current state of Luke's dormitories. Unaccompanied enlisted personnel will be forced to live off-base and will most likely incur higher living expenses, and increase their response time to real-world emergencies.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform dormitory construction standard known as "dorms-4-airmen" established by the Air Force. An economic analysis has been prepared comparing alternatives of direct compensation and new construction. Based on the present value of benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Unaccompanied Housing RPM conducted: FY03 - $118.5K (Act); FY04 - $799.7K (Act); FY05 - $599.0K (Est); FY06 - $530.0K (Est); FY07 - $946.0K (Est). Base Civil Engineer: Lt Col John P. Dewine, (623) 856-6135. Permanent Party Dormitory: 4,752 SM = 51,150 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LUKE AIR FORCE BASE, ARIZONA	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	NUEX053013	13,000

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 650

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 07 NOV

(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)
DORMITORY FURNISHINGS	3400	2007	840

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE ARKANSAS	4. COMMAND: AIR EDUCATION AND TRAINING COMMAND	5. AREA CONST COST INDEX 0.87

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	336	2953	370	247	189	21	325	1065	226	5,732
END FY 2009	331	2936	370	253	168	21	325	1137	226	5,767

7. INVENTORY DATA ($000)		
a. Total Acreage:	7,210	
b. Inventory Total as of : (30 Sep 04)		1,211,413
c. Authorization Not Yet in Inventory:		61,650
d. Authorization Requested in this Program:		2,500
e. Authorization Included in the Following Program:	(FY 2007)	6,400
f. Planned in Next Four Years Program:		9,800
g. Remaining Deficiency:		35,450
h. Grand Total:		1,327,213

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
112-211	Parallel Taxiway AALZ	18,090 SM	2,500	May-04	Sep-05
		Total	2,500		

9a. Future Projects:	Included in the Following Program:	(FY2007)			
722-351	Airman Dining Facility	1,805 SM	6,400	May-05	Sep-06
		Total	6,400		

9b. Future Projects:	Typical Planned Next Four Years:		
730-441	Education Development Center	6,000 SM	9,800
		Total	9,800

9c. Real Property Maintenance Backlog This Installation ($M)	79

10. Mission or Major Functions: : An airlift wing with five C-130 squadrons conducting operations and training -- the only DoD C-130 training base; an Air Mobility Command airlift group with C-130 aircraft; an ANG C-130 airlift wing; and an AFRC aerial port squadron.

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LITTLE ROCK AIR FORCE BASE, ARKANSAS	PARALLEL TAXIWAY AALZ

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	112-211	NKAK053009	2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
PRIMARY FACILITIES				1,845
PARALLEL TAXIWAY AALZ	SM	18,090	102	(1,845)
SUPPORTING FACILITIES				391
SITE IMPROVEMENTS	LS			(81)
UTILITIES	LS			(310)
SUBTOTAL				2,236
CONTINGENCY (5.0 %)				112
TOTAL CONTRACT COST				2,348
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				134
TOTAL REQUEST				2,482
TOTAL REQUEST (ROUNDED)				2,500

10. Description of Proposed Construction: Construct a 1,187 LM (3,893 LF/18,090 SM) parallel, semi-prepared, taxiway (T/W) at All American Landing Zone (AALZ). Full depth construction of parallel T/W includes base course, subgrade, and stabilized surface in accordance with ETL 98-5. Adhere to UFC 3-260-01 clearance criteria locating parallel T/W with runway, apron, and turnaround. T/W work includes utility, site work, drainage and structures, grading, all attributes necessary for Night Vision Goggle (NVG) installation and capability, all other supporting facilities and equipment as necessary.

11. REQUIREMENT: 18,090 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct a 1,187 LM (18,090 SM) parallel, semi-prepared, taxiway (T/W) at All American Landing Zone (AALZ). (Current Mission)

REQUIREMENT: A parallel taxiway to provide for free aircraft ground movement to permit rapid entrance and exit of traffic between the apron and runway so aircraft movement is not hindered by taxiing operations on the runway. Runway efficiency with a parallel taxiway will be enhanced. The taxiway should be constructed to meet the criteria in UFC 3-260-01: Airfield and Heliport Planning and Design. Technical and geometric requirements for a parallel taxiway is addressed by ETL 98-5: C130 and C17 Contingency and Training Airfield Dimensional Criteria.

CURRENT SITUATION: Short field, or dirt strip, qualifying and certification, including NVG training, are required for C130 flight crews. AALZ, located seven nautical miles from Little Rock AFB, is a 1,067 LM, semi-prepared, airfield that is used for this training and it very closely resembles what aircrews will face in the operational world and during contingency operations. No alternate airfield exists near the base. The runway has a turnaround on the east end and aircraft ramp on the west end, but no parallel T/W connecting them. The runway is NVG capable. With the recent addition of the west aircraft ramp, training operations increased from two to three ship formations, but the runway continues to be used for back taxiing to take off or to clear the airfield for another landing. Lack of a parallel T/W not only slows training operations tempo, it degrades mission-scenario training that aircrews will face while deployed and, due to

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LITTLE ROCK AIR FORCE BASE, ARKANSAS	PARALLEL TAXIWAY AALZ

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	112-211	NKAK053009	2,500

the increased use of the runway for back taxiing, accelerates degradation of the runway surface and increases maintenance demands. Annually, approximately 1,700 students, in all crew positions, need to fly NVG landings. Approximately 400 student pilots per year graduate from the formal training unit (FTU) unqualified in dirt LZ operations. In many cases, a pilot's first dirt landing is with an instructor in a combat operation. Their second dirt landing is without an instructor in the same theater. The addition of a parallel T/W will allow four ship formations to AALZ, which will increase operations tempo, qualify a much larger percentage of pilots and aircrews in LZ operations, and better prepare pilots and aircrews for contingency operations. It will also reduce unnecessary runway use and the maintenance demands it entails.

IMPACT IF NOT PROVIDED: Flight training operations tempo will remain unnecessarily slowed. Annually, approximately 1700 C130 students will need the training to qualify for NVG landings to effectively perform their missions during Operation Enduring Freedom. Crews deployed to Operation Enduring Freedom fly NVG air land and dirt assault landings every night. NVG training will be compromised and mission-scenario training that aircrews will face while deployed in Afghanistan will continue to be incomplete and primary mission will not be fully satisfied. Four ship formations to AALZ will not be realized and, at best, back taxiing will continue and premature degradation of runway surface and increased maintenance is inevitable.

ADDITIONAL: This project meets the criteria/scope specified in UFC 3-260-01 and ETL 98-5. All known alternatives were considered during the development of this project. No other option can meet the mission requirements; therefore no Economic Analysis was required or performed. A certificate of exception has been prepared. BCE: Maj Markus J. Henneke, 501-987-3322 (Parallel Taxiway AALZ: 1,187 LM = 3,893 LF).

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LITTLE ROCK AIR FORCE BASE, ARKANSAS	PARALLEL TAXIWAY AALZ

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	112-211	NKAK053009	2,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	15-AUG-04
(e) Date Design Complete	15-SEP-05
(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	120
(b) All Other Design Costs	60
(c) Total	180
(d) Contract	150
(e) In-house	30
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	06 DEC

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

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

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
BEALE AIR FORCE BASE, CALIFORNIA	AIR COMBAT COMMAND	1.26

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	505	3719	1315	4	52	0	3	23	43	5,664
END FY 2009	601	3994	1280	4	52	0	3	23	43	6,000

7. INVENTORY DATA ($000)

a. Total Acreage:	22,944	
b. Inventory Total as of : (30 Sep 04)		1,682,603
c. Authorization Not Yet in Inventory:		22,300
d. Authorization Requested in this Program:		14,200
e. Authorization Included in the Following Program: (FY 2007)		28,000
f. Planned in Next Four Years Program:		34,100
g. Remaining Deficiency:		43,000
h. Grand Total:		1,824,203

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
211-111	Global Hawk 2-Bay Maint Hangar	3,300 SM	14,200	Jul-04	Jul-05
		Total	14,200		

9a. Future Projects: Included in the Following Program: (FY2007)

141-454	Distributed Common Ground Station	10,075 SM	28,000	May-05	Sep-06
		Total	28,000		

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

740-884	Child Development Center	3,434 SM	9,900
211-152	Repair Aircraft Maintenance Unit	11,604 SM	10,000
211-111	Upgrade Maintenance Dock 1	2,425 SM	5,800
141-753	Upgrade Squadron Operations Facility	950 SM	8,400
		Total	34,100

9c. Real Property Maintenance Backlog This Installation: ($M) 30

10. Mission or Major Functions: A reconnaissance wing which includes two U-2 reconnaissance squadrons, one of which is responsible for training all U-2 aircrews; a Contingency Airborne Reconnaissance System (CARS); an Air Fore Space Command missile warning squadron which operates one of the Phased Array Warning System (PAVE PAWS) radars; and an Air Force Reserve wing with KC-135 aircraft. Base is first beddown location for Global Hawk UAV.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

a. Air pollution

b. Water Pollution

c. Occupational Safety and Health

d. Other Environmental

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BEALE AIR FORCE BASE, CALIFORNIA	GLOBAL HAWK TWO-BAY MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35220	211-111	BAEY061009	14,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
GLOBAL HAWK TWO BAY MAINTENANCE HANGAR				9,710
MAINTENANCE HANGAR	SM	3,300	2,325	(7,673)
AIRCRAFT PARKING APRON	SM	10,000	200	(2,000)
ANTITERRORISM/FORCE PROTECTION	SM	3,300	12	(38)
SUPPORTING FACILITIES				3,045
UTILITIES	LS			(850)
PAVEMENTS	LS			(760)
SITE IMPROVEMENTS	LS			(1,200)
COMMUNICATIONS SUPPORT	LS			(235)
SUBTOTAL				12,755
CONTINGENCY (5.0 %)				638
TOTAL CONTRACT COST				13,393
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				763
TOTAL REQUEST				14,157
TOTAL REQUEST (ROUNDED)				14,200

10. Description of Proposed Construction: Construct a two-bay Global Hawk maintenance hangar and aircraft parking apron. Hangar will consist of steel frame, masonry walls, standing seam metal roof, concrete floor slab, high expansion foam fire suppression system, utilities, pavements, site improvements, and communications support. Apron will consist of installation of airfield concrete, aircraft tie down and grounding points, apron markings, and apron drainage improvements. Includes minimum DoD force protection standards.

11. REQUIREMENT: 3,300 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct Global Hawk Maintenance Hangar. (New Mission)

REQUIREMENT: Hangar space is necessary to support aircraft maintenance, repair, and inspection activities that are most effectively done under complete cover. The Global Hawk aircraft requires all-weather interior maintenance space to accomplish scheduled inspections, major fuel system maintenance, airframe repairs, pre-flight operations as well as technical order compliance and modifications. Hangars also provide space for tool rooms, support equipment maintenance, aircraft parts receiving, shipping and storage as well as necessary office administrative space. Apron space is required to effectively support the new mission when it is integrated into the existing Beale parking apron.

CURRENT SITUATION: There are no excess facilities of adequate size or configuration that can be made available or economically upgraded to support this mission beddown. All similar existing facilities were upgraded by previous military construction projects. This project will provide the remaining facility requirements.

IMPACT IF NOT PROVIDED: The all-weather support requirements of the Global Hawk will continue to be integrated into existing hangar requirements at Beale AFB. This new

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BEALE AIR FORCE BASE, CALIFORNIA	GLOBAL HAWK TWO-BAY MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35220	211-111	BAEY061009	14,200

requirement forces many maintenance operations for both existing airframes and the Global Hawk airframes to be done outside when it is recommended they be accomplished under cover. This type of practice has historically reduced the life span of the airframe and resulted in hampered mission accomplishment.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Gregory P. Long, DSN 368-2942. (Maintenance Hangar: 3,300 SM = 35,508 SF)

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BEALE AIR FORCE BASE, CALIFORNIA	GLOBAL HAWK TWO-BAY MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35220	211-111	BAEY061009	14,200

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	23-JUL-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	31-OCT-04
(e) Date Design Complete	31-JUL-05
(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	852
(b) All Other Design Costs	426
(c) Total	1,278
(d) Contract	1,068
(e) In-house	210
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 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 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
EDWARDS AIR FORCE BASE CALIFORNIA	AIR FORCE MATERIEL COMMAND:	1.28

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	818	2477	5129				29	20	112	8,585
END FY 2009	786	2333	5141				29	20	112	8,421

7. INVENTORY DATA ($000)

Total Acreage:	300,911	
Inventory Total as of : (30 Sep 04)		3,571,891
Authorization Not Yet in Inventory:		40,873
Authorization Requested in this Program:		37,000
Authorization Included in the Following Program:	(FY 2007)	31,000
Planned in Next Four Years Program:		141,821
Remaining Deficiency:		39,840
Grand Total:		3,862,425

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
111-111	Main Base Runway, Ph 1	260,223	SM	37,000	Design Build	
		Total		37,000		

9a. Future Projects: Included in the Following Program: (FY2007)

111-111	Main Base Runway, Ph 2	390,335	SM	31,000	Design Build	
		Total		31,000		

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

111-111	Main Base Runway, Ph 3	390,335	SM	35,000		
131-111	Information Tech Operations Center	3,250	SM	18,500		
229-986	Liquid Oxygen/Nitrogen Plant	1	LS	3,021		
311-171	Replace Engineering Technical Facility	5,888	SM	19,000		
311-171	Engine Test Cell Block Facility	2,026	SM	15,000		
318-614	Propulsion Energetics Science Lab	3,446	SM	14,600		
319-442	West Base Engineering Facility	4,978	SM	11,400		
422-258	Upgrade Munitions Complex	2,168	SM	8,300		
442-758	Consolidated Warrior Center	2,235	SM	3,000		
740-674	Fitness Center	5,051	SM	14,000		

9c. Real Propery Maintenance Backlog This Installation 108

10. Mission or Major Functions: Air Force Flight Test Center which is responsible for flight test activities for all USAF aircraft and related avionics, flight control, and weapons systems; a test wing; an air base wing; Air Force Test Pilot School; the Propulsion Directorate of the Air Force Research Laboratory; a space surveillance squadron; and a landing site for the space shuttle.

11. Outstanding pollution and Safety (OSHA Deficiencies:

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

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
EDWARDS AIR FORCE BASE, CALIFORNIA	MAIN BASE RUNWAY, PHASE I

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72806	111-111	FSPM013504	Auth: 103,000 Appr: 37,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
REPLACE MAIN BASE RUNWAY				87,825
NEW TEMPORARY RUNWAY	SM	260,223	120	(31,227)
REPAIR EXISTING RUNWAY	SM	390,335	145	(56,599)
SUPPORTING FACILITIES				4,950
TAXIWAY CONNECTORS	LS			(1,100)
TURN AROUND PAD	LS			(450)
RELOCATE UTILITIES	LS			(2,100)
BAK-12 ARRESTING SYSTEM RELOCATION	LS			(1,300)
SUBTOTAL				92,775
CONTINGENCY (5.0 %)				4,639
TOTAL CONTRACT COST				97,414
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				5,553
TOTAL REQUEST				102,967
TOTAL REQUEST (ROUNDED)				103,000

10. Description of Proposed Construction: Phase I will construct a temporary asphalt runway with associated taxiway connectors 2,500 ft from the existing main runway to support the repair of the existing main runway. The new runway must be capable of supporting large aircraft, including the B-52. Phase 2 and phase 3 will repair the existing main runway.

11. REQUIREMENT: 650,558 SM ADEQUATE: 0 SM SUBSTANDARD: 390,335 SM

PROJECT: Main Base Runway, phase 1. (Current Mission)

REQUIREMENT: Edwards AFB requires a runway that can safely support a wide range of aircraft test operations, including launch and recovery of prototype aircraft, heavy aircraft operations to include the B-52 and KC-135, various forms of failure testing as well as recovery and transport of the NASA Space Shuttle. The existing runway operations must be maintained during any construction. Construction of a temporary runway is needed to allow transfer of all flight operations from the existing runway during construction.

Missions that require a 15,000 ft runway include refused take-off testing of heavy aircraft, wet brake testing of heavy aircraft, hot weather operations of specific aircraft such as the T-38, and recovery and transport of the NASA Space Shuttle.

CURRENT SITUATION: The main base runway which supports almost every flight operation at Edwards Air Force Base is nearly 50 years old and is rapidly degrading as a result of Alkali-Silica Reaction (ASR), a reaction between the cement and the aggregate that creates map cracking, scaling and spalling of the concrete. Increased sweeper operations and Foreign Object Debris (FOD) walks are necessary to eliminate concrete chunks several inches across that are routinely discovered. Emergency FOD repairs have forced runway closures affecting 10 to 15 flights for each closure. Pavement Condition Index (PCI) numbers are dropping rapidly, which is indicative of pavements nearing the end of their useful life. The runway will soon fail functionally and will no longer be safe for

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
EDWARDS AIR FORCE BASE, CALIFORNIA	MAIN BASE RUNWAY, PHASE I

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72806	111-111	FSPM013504	Auth: 103,000 Appr: 37,000

aircraft operations. In early FY03 the runway was evaluated by a tri-service team of experts who rated the pavement condition along the centerline as MARGINAL, with portions predicted to be UNSATISFACTORY within the next year. Functional failure of the runway is expected in 2008. No other runways at Edwards AFB can safely support the current and projected test operations without significant test mission delays. Temporary relocation of these missions is not feasible. However, many of the current and planned test missions can be supported by a new temporary runway.

IMPACT IF NOT PROVIDED: Without repair the existing runway will be unsafe for aircraft operations and require relocation of nearly all test missions at Edwards AFB. Test delays and increasing costs will result. The rapidly increasing FOD hazard will continue to endanger pilots, and increase the risk of damage to expensive one-of-a-kind aircraft and engines.

ADDITIONAL: Due to the size and cost of this project, incremental funding across three fiscal years is recommended. This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". An economic analysis has been completed comparing the costs of various options. Construction of a temporary 12,000 ft x 200 ft runway and re-construction of the existing 15,000 ft x 300 ft runway was found to be the most cost effective option. Base Civil Engineer: Mr. James E. Judkins, (661) 277- 2910. New Temporary Runway: 260,223 SM = 2,800,000 SF. Phase 1 (FY06) Appropriation $37,000,000, Phase 2 (FY07) Appropriation $31,000,000 and Phase 3 (FY08) Appropriation $35,000,000.

JOINT USE CERTIFICATION: This is an installation utility/infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project.

AUTHORIZATION AND APPROPRIATION SUMMARY

	REQUESTED FY 2006
AUTHORIZATION OF THE PROJECT	$103.0M
AUTHORIZATION FOR APPROPRIATION	$37.0M
APPROPRIATION	$37.0M

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
EDWARDS AIR FORCE BASE, CALIFORNIA	MAIN BASE RUNWAY, PHASE I

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72806	111-111	FSPM013504	Auth: 103,000 Appr: 37,000

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	2,783
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	08 FEB
(7) Energy Study/Life-Cycle analysis was/will be performed	NO

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

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
TRAVIS AIR FORCE BASE CALIFORNIA	AIR MOBILITY COMMAND	1.24

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	1786	8955	2369	0	0	0	72	698	1158	15,038
END FY 2009	1804	8900	2317	0	0	0	72	698	1158	14,949

7. INVENTORY DATA ($000)

Total Acreage: 6383

Inventory Total as of : (30 Sep 04)		3,060,808
Authorization Not Yet in Inventory:		136,100
Authorization Requested in this Program:		31,600
Authorization Included in the Following Program:	(FY 2007)	87,200
Planned in Next Four Years Program:		89,000
Remaining Deficiency:		88,100
Grand Total:		3,492,808

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
218-712	AMOG Global Reach Deployment Center	13,623	SM	19,000	Design - Build	
211-152	C-17 ADD Composite Shop	743	SM	3,200	Jul-04	Sep-05
171-618	C-17 Maintenance Training Facility	3,462	SM	8,100	Jul-04	Sep-05
141-753	C-17 ADD Life Support Facility	179	SM	1,300	Mar-04	Sep-05
			TOTAL	31,600		

9a. Future Projects:	Included in the Following Program:	(FY2007)				
211-173	C-17 2-Bay Full-In Hanger	9,848	SM	46,400	Design - Build	
112-211	C-17 Taxiway Lima	34,608	SM	8,500	Mar-05	Sep-06
111-111	C-17 SW ALZ	3,500	LF	14,400	Jun-05	Sep-06
211-152	C-17 Wheel and Tire Facility	746	SM	3,900	Jun-05	Sep-06
216-642	C-17 Munitions Storage Facility	1,918	SM	6,200	Jun-05	Sep-06
851-147	C-17 Roads/Utilities	32,550	SM	7,800	May-05	Sep-06
			TOTAL	87,200		

9b. Future Projects:	Typical Planned Next Four Years:			
111-111	Repair Electrical & Runway 03R/21L	1	LS	38,000
218-712	AGE Facility	2,502	SM	7,600
610-127	BCE Complex	11,044	SM	21,000
742-674	Add to Fitness Center	4,205	SM	11,800
730-142	Large Fire/Crash Station	3,849	SM	10,600
			TOTAL	89,000

9c. Real Property Maintenance Backlog This Installation ($M) 170

10. Mission or Major Functions: HQ 15th Air Force; an air mobility wing with two C-5 squadrons and two KC-10 air refueling squadrons; an AFRC Associate air mobility wing; and David Grant Medical Center.

11. Outstanding pollution and Safety (OSHA Deficiencies):

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	AMOG GLOBAL REACH DEPLOYMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	218-712	XDAT963103P1	19,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
AMOG GLOBAL REACH DEPLOYMENT CENTER				13,642
OFFICE SPACE/WAREHOUSE	SM	9,016	1,020	(9,196)
VEHICLE MAINTENANCE FACILITY	SM	297	3,353	(996)
ACFT SUPPORT EQUIPMENT SHOP/STORAGE	SM	167	990	(165)
WRM (SWIFT BEAR) STORAGE	SM	1,420	1,101	(1,563)
COVERED STORAGE	SM	1,821	860	(1,566)
ANTITERRORISM FORCE PROTECTION	LS			(155)
SUPPORTING FACILITIES				3,462
UTILITIES	LS			(692)
PAVEMENTS (ROADS, PARKING, SIDEWALKS)	LS			(1,490)
SITE IMPROVEMENTS	LS			(1,150)
COMMUNICATIONS	LS			(130)
SUBTOTAL				17,104
CONTINGENCY (5.0 %)				855
TOTAL CONTRACT COST				17,959
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,024
TOTAL REQUEST				18,983
TOTAL REQUEST (ROUNDED)				19,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(744)

10. Description of Proposed Construction: A high bay warehouse with mezzanines, equipment shop, washrack/vehicle maint facility, War Readiness Material (WRM) storage facility, and adjacent covered storage. Concrete foundations, reinforced slab on grade, metal roof, exterior insulation system, color integral split face CMU. Includes heating, ventilation and air conditioning, utilities, pavements, fire protection, communications, and site improvements. Includes antiterrorism/force protections requirements identified in DoD unified facilities criteria.

Air Conditioning: 200 Tons

11. REQUIREMENT: 18,270 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct Air Mobility Operations Group (AMOG) Global Reach Deployment Center. (Current Mission)

REQUIREMENT: The mission of the 615th AMOG is to maintain a ready core of Air Mobility Command (AMC) mobility support forces required to execute the full spectrum of Global Reach Laydown (GRL) operations as directed by the Tanker Airlift Control Center. Due to the size and complexity of the AMOG mobility mission, consolidated, adequate facility space is required to store, protect and maintain mobility equipment, and to allow efficient loading of pre-assembled mobility support equipment packages on mobility operations aircraft. Such packages include mobile and satellite communications equipment and trailers, and material handling equipment. An optimized deployment center featuring a warehouse designed for palletized equipment, washrack/vehicle maintenance

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	AMOG GLOBAL REACH DEPLOYMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	218-712	XDAT963103P1	19,000

facility, equipment shop, auxiliary covered storage, and WRM storage make rapid deployment response a reality. The environmentally controlled WRM facility will support five 150-man Swift BEAR modules and one "Establish the Base" Harvest BEAR force module composed of one 550-man initial package and one 550-man follow-on package. Force protection measures will be incorporated IAW USAF Installation Force Protection Guide. Existing facilities currently used for AMOG functions will be retained.

CURRENT SITUATION: The four squadrons comprising the 615 AMOG are located across 13 widely dispersed sites at Travis AFB. The seismic vulnerability of the existing warehouse presents a potential risk for mission failure. Adequate mobility storage is non-existent, requiring deployable assets to be stored in unsuitable buildings or in unprotected exterior yards. The existing buildings are not designed to handle current mobility equipment storage and rapid access requirements, and there is no storage location for Swift BEAR and Harvest BEAR assets. This deficiency causes inefficient handling/delivery of equipment to the flightline and degrades operations. There is no secure weapons storage to meet AMOG's requirements. Their weapons are currently stored in the base Armory. The base wash rack is not large enough to service the expandable shelters and Mobility Air Reporting and Communications Shelters (MARCS), requiring them to be washed manually using hoses, which is inefficient and time consuming. Equipment assets stored outside due to lack of covered storage are exposed to the elements, causing premature degradation of the usable life span.

IMPACT IF NOT PROVIDED: AMOG storage, maintenance and deployment operations would continue at various widely dispersed locations in aged, functionally inefficient, improperly secured facilities, and unit integrity would not be achieved. Preservation of high value assets and quick response to mobility taskings from Tanker Airlift Control Center would continue to be jeopardized without an adequate Global Reach Deployment Center. Swift BEAR and Harvest BEAR assets would not be able to be stored.

ADDITIONAL: This project meets the criteria/scope specified in AFH 32-1084, "Civil Engineering Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was accomplished. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed; a ceritficate of exception has been prepared. Office Space/Warehouse: 9,016 SM = 29,572 SF; Vehicle Maintenance Facility: 297 SM = 3,196 SF; ACFT Support Equipment Shop/Storage: 167 SM = 1,797 SF; WRM (Swift Bear) Storage: 1,420 SM = 15,280 SF; Covered Storage: 1,821 SM = 19,594 SF. Base Civil Engineer: Lt Col Richard Houghton, (707) 424-2492.

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	AMOG GLOBAL REACH DEPLOYMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	218-712	XDAT963103P1	19,000

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 918

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 08 MAR

(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)
COMMERCIAL WELDER, PWH-100	3080	2006	69
PALLET TRUCK, MODEL PDR 30-154	3080	2006	80
WAREHOUSE SHELVING	3080	2006	200
SECURITY SYSTEM	3080	2006	75
MACHINE SHOP EQUIPMENT	3080	2006	100
PALLET HANDLING EQUIPMENT	3080	2006	120
SYSTEMS FURNITURE	3080	2006	100

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	C-17 ADD COMPOSITE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	211-152	XDAT053004	3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
C-17 ADD COMPOSITE SHOP				1,875
ADD COMPOSITE SHOP	SM	743	2,500	(1,858)
ANTITERRORISM FORCE PROTECTION	SM	743	23	(17)
SUPPORTING FACILITIES				1,008
UTILITIES	LS			(543)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS			(225)
COMMUNICATIONS SUPPORT	LS			(40)
SUBTOTAL				2,883
CONTINGENCY (5.0 %)				144
TOTAL CONTRACT COST				3,027
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				173
TOTAL REQUEST				3,199
TOTAL REQUEST (ROUNDED)				3,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,137.0)

10. Description of Proposed Construction: Add composite shop to meet both new and current mission requirements. Addition will include reinforced concrete foundation and floor slab, steel frame construction with standing seam metal roof. Includes lighting, upgrade electrical and mechanical systems, a fire detection/alarm/suppression system, exterior/interior pavements, site improvements, and necessary support. Includes antiterrorism/force protection requirements identified in the DoD unified facilities criteria.

Air Conditioning: 68 Tons

11. REQUIREMENT: 6,717 SM ADEQUATE: 5,972 SM SUBSTANDARD: 0 SM

PROJECT: C-17 Add/Alter Composite Shop. (New Mission)

REQUIREMENT: An adequately sized and configured high-bay facility is required to provide space for specialized maintenance activities to support C-17 aircraft. Upgrade utilities to support shop operations. The first C-17s will arrive on station in July 2006. Space is required for fabrication and composite repair of the C-17 aircraft.

CURRENT SITUATION: Space configuration is not designed to support C-17 aircraft in the current facility, Building 803. Additional C-17 maintenance requirements will require additional space for new mission composite shop and requires additional safety clearance distances between the larger C-17 aircraft parts and the maintenance equipment. Utility systems are inadequate to support shop operations.

IMPACT IF NOT PROVIDED: Specialized maintenance cannot be adequately performed which may jeopardize utilization rates for the new C-17 aircraft. Personnel will work in a cramped and unsafe environment until this facility is built. Limited C-17 maintenance will be performed using the existing C-5 airframe repair shop until this project is completed.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	C-17 ADD COMPOSITE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	211-152	XDAT053004	3,200

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084 "Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception will be prepared. Base Civil Engineer: Lt Col Rich Houghton, (707) 424-2492. C-17 ADD Composite Shop (743 SM = 7,995 SF)

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	C-17 ADD COMPOSITE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	211-152	XDAT053004	3,200

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	24-JUL-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	05-SEP-05
(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	192
(b) All Other Design Costs	96
(c) Total	288
(d) Contract	240
(e) In-house	48

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

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNITURE	3080	2006	500
COMPOSITE OVEN	3080	2006	49
WALK-IN FREEZER	3080	2006	25
A/C POWER CONVERTER	3080	2006	38
FALL ARREST SYSTEM	3080	2006	175
NITRO GENERATOR	3080	2006	65
BRIDGE CRANES	3080	2006	71
MEDIA BLASTER	3080	2006	133
HYDRAULIC CHILLER	3080	2006	38
DOWNDRAFT TABLES	3080	2006	43

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	C-17 MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-618	XDAT043018	8,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
C-17 MAINTENANCE TRAINING FACILITY				5,697
HIGH BAY TECH TRAINING	SM	1,376	1,394	(1,918)
FIELD TRAINING DETACHMENT	SM	1,191	1,785	(2,126)
MAINTENANCE QUALIFICATIONS TRAINING	SM	895	1,785	(1,598)
ANTITERRORISM FORCE PROTECTION	SM	3,462	16	(55)
SUPPORTING FACILITIES				1,590
UTILITIES	LS			(450)
PAVEMENTS	LS			(120)
SITE IMPROVEMENTS	LS			(200)
DEMOLITION	SM	2,564	195	(500)
COMMUNICATIONS SUPPORT	LS			(320)
SUBTOTAL				7,287
CONTINGENCY (5.0 %)				364
TOTAL CONTRACT COST				7,651
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				436
TOTAL REQUEST				8,088
TOTAL REQUEST (ROUNDED)				8,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(40,375)

10. Description of Proposed Construction: Single story facility with five high bays. Facility to include reinforced concrete foundation and floor slab, masonry exterior walls with brick veneer, metal sloped roof, electrical/mechanical/fire detection and suppression/communications systems, utilities, site support,all necessary and required work associated with this project. Demolish one facility (2,564 SM). Includes antiterrorism/force protection requirements identified in DoD unified facilities criteria.

Air Conditioning: 120 Tons

11. REQUIREMENT: 3,462 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct a C-17 Maintenance Training Device Facility (New Mission).

REQUIREMENT: A maintenance training facility is required to support new maintenance training devices specifically for C-17 maintenance personnel. The MTD provides tools and classrooms to provide specialized hands-on instruction for C-17 maintenance. Force protection measures will be incorporated IAW USAF Installation Force Protection Guide. This is in support of the new mission beddowns of C-17's which begins in July 2006.

CURRENT SITUATION: Currently, a facility that accommodates the specialized height and bay size requirements needed by the C-17 does not exist. One building (27,693 SF = 2,564 SM) stands in the way of construction and will be demolished as part of this project.

IMPACT IF NOT PROVIDED: Without training devices in place, maintenance training will need to be accomplished on assigned operational aircraft. The special type of

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	C-17 MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-618	XDAT043018	8,100

maintenance required will remove two aircraft from operational flying status when maintenance is done. Both maintenance and flying training will be hindered due to lack of adequate training time. The beddown and safe operation of the C-17 aircraft will not be accomplished without providing a required maintenance training device facility. Training at another location would incur additional TDY costs and a negative impact on maintenance due to maintainers being in transit for training.

ADDITIONAL: Facility will accommodate students, instructors, maintenance support, and administration personnel. This project meets the criteria/scope specified in Air Force Handbook 32-1084 "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. C-17 Maintenance Training Device facility conversion data - 3,461 SM = 37,378 SF. Base Civil Engineer: Lt Col Rich Houghton, (707) 424-2492.

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	C-17 MAINTENANCE TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-618	XDAT043018	8,100

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 243

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 07 JUN

(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)
SYSTEM FURNISHINGS	3080	2006	150
TRAINING DEVICES	3080	2006	40,000
BRIDGE CRANES	3080	2006	225

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	C-17 ADD LIFE SUPPORT SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	141-753	XDAT031045	1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
C-17 ADD LIFE SUPPORT SHOP				533
ADD LIFE SUPPORT SHOP	SM	179	2,950	(528)
ANTITERRORISM FORCE PROTECTION	SM	179	29	(5)
SUPPORTING FACILITIES				638
PAVEMENTS	LS			(105)
SITE IMPROVEMENTS	LS			(103)
COMMUNICATIONS SUPPORT	LS			(40)
UTILITIES/ELECTRICAL FEEDER	LS			(390)
SUBTOTAL				1,171
CONTINGENCY (5.0 %)				59
TOTAL CONTRACT COST				1,230
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				70
TOTAL REQUEST				1,300
TOTAL REQUEST (ROUNDED)				1,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(150.0)

10. Description of Proposed Construction: Add Life Support shop. Work consisting of reinforced concrete foundation and floor slab, exterior insulation finish system (EIFS), standing seam metal roof system, electrical, mechanical, communications, fire suppression and detection system, and wall/floor/ceiling finishes. Project will add 179 SM to the NW side of building 1212, Life Support Facility, to accomodate new requirements for C-17 Life Support Equipment. Includes replacing existing electrical feeder 5KV with 12KV. Includes antiterrorism/force protection requirements identified in DoD unified facilities criteria.

Air Conditioning: 20 Tons

11. REQUIREMENT: 1,134 SM ADEQUATE: 955 SM SUBSTANDARD: 0 SM

PROJECT: C-17 ADD Life Support Shop. (New Mission)

REQUIREMENT: Construction is required to support the beddown of a C-17 squadron beginning in July 2006. An adequately sized and properly configured facility is required to house life support equipment for a C-17 flying squadron. Space is required for life support and survival equipment staging and storage, helmet/oxygen mask repair, chemical gear issue and storage, explosive and issue, oxygen bottle maintenance area, flightline inspection, and administrative management. Project includes replacing existing electrical feeder 5KV with 12KV electrical feeder in support of C-17 beddown.

CURRENT SITUATION: C-5 aircraft operations will continue at Travis AFB following the arrival of the C-17 aircraft. The existing building housing the life support function currently supports C-5 aircraft and is not large enough to house both C-5 and C-17 equipment.

IMPACT IF NOT PROVIDED: Required life support/survival equipment shop functions will be inadequate for C-17 operations causing negative mission impact. If life

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE C-17 ADD LIFE SUPPORT SHOP	
5. PROGRAM ELEMENT 41130	6. CATEGORY CODE 141-753	7. PROJECT NUMBER XDAT031045	8. PROJECT COST ($000) 1,300

support/survival equipment cannot be stored in a central location, excess man hours will be spent transporting equipment to and from storage area to the life support shop. The equipment would not be properly stored. Without proper control of assets, damage, loss or theft of that equipment may occur. Additionally, these two functions will continue to operate in separate facilities that hinder efficient operations.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084 "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates there is only one option that will meet operational requirements. Because this project is under two million dollars an economic analysis is not required. Base Civil Engineer: Lt Col Rich Houghton, (707) 424-2492.

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	C-17 ADD LIFE SUPPORT SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	141-753	XDAT031045	1,300

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	10-MAR-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	02-AUG-04
(e) Date Design Complete	03-SEP-05
(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	78
(b) All Other Design Costs	39
(c) Total	117
(d) Contract	98
(e) In-house	20

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

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
SYSTEMS FURNITURE	3080	2006	50
HIGH DENSITY STORAGE	3080	2006	100

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
VANDENBERG AIR BASE CALIFORNIA	AIR FORCE SPACE COMMAND	1.19

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	529	1960	1134	0	0	0	0	0	0	3,623
END FY 2009	529	1960	1134	0	0	0	0	0	0	3,623

7. INVENTORY DATA ($000)

Total Acreage:	132,184	
Inventory Total as of : (30 SEP 04)		1,435,899
Authorization Not Yet in Inventory:		10,500
Authorization Requested in this Program:		16,845
Authorization Included in the Following Program:	(FY 2007)	0
Planned in Next Four Years Program:		128,000
Remaining Deficiency:		0
Grand Total:		1,591,244

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
740-674	Fitness Center	6,220	SM	16,845	May-04	Sep-05
		Total		16,845		

9a. Future Projects: Included in the Following Program: (FY2007)

None		0

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

851-142	Replace 13th Street Bridge	215	LM	14,400
730-441	Learning Center	6,600	SM	18,600
610-243	30th Space Wing HQ Facility	3,720	SM	14,500
149-962	Control Tower	390	SM	5,000
218-868	Precision Measurement Equipment Lab	2,725	SM	10,400
740-884	Child Development Center	1,163	SM	5,400
610-243	Alter Operations Group Headquarters	15,054	SM	19,500
141-456	614th Space Intelligence Group	2,360	SM	6,900
214-467	Refueling Vehicle Maintenance Shop	325	SM	1,300
610-243	Mission Support Group HQ Facility	9,290	SM	24,000
811-147	Emergency Electrical Power Plant	10,000	KW	8,000

9c. Real Propery Maintenance Backlog This Installation ($M)	86.6

10. Mission or Major Functions: The 30th Space Wing at Vandenberg Air Force Base, Calif., is the Air Force Space Command organization responsible for all Department of Defense space and missile launch activities on the West Coast. All U.S. satellites destined for near polar orbit are launched from Vandenberg. The wing supports West Coast launch activities for the Air Force, Department of Defense, National Aeronautics and Space Administration, and various private industry contractors. The wing launches a variety of expendable vehicles including the Delta II, Pegasus, Taurus, Atlas, Titan II and Titan IV. The wing also supports Force Development and Evaluation of all intercontinental ballistic missiles.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VANDENBERG AIR FORCE BASE, CALIFORNIA	FITNESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	740-674	XUMU923007	16,845

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
FITNESS CENTER				12,241
FITNESS CENTER	SM	6,220	1,950	(12,129)
ANTITERRORISM/FORCE PROTECTION	SM	6,220	18	(112)
SUPPORTING FACILITIES				2,971
SITE IMPROVEMENTS	LS			(734)
UTILITIES	LS			(675)
PAVEMENTS	LS			(781)
BUILDING DEMOLITION	SM	4,273	145	(620)
COMMUNICATION	LS			(161)
SUBTOTAL				15,212
CONTINGENCY (5.0 %)				761
TOTAL CONTRACT COST				15,972
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				910
TOTAL REQUEST				16,883
TOTAL REQUEST (ROUNDED)				16,845
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(300.0)

10. Description of Proposed Construction: Reinforced concrete foundation, concrete masonry walls, and steel structural frame with tile roof. Includes basketball, volleyball, and racquetball courts, aerobics area, lap pool, weight room, HAWC, DV locker rooms, food demonstration area, sauna, locker rooms, office area and laundry, utilities, pavements, site improvements, and all other supports. Demolish 5 facilities (4,273 SM). Comply with DoD force protection requirements per unified facilities criteria.

Air Conditioning: 180 Tons

11. REQUIREMENT: 6,220 SM ADEQUATE: 0 SM SUBSTANDARD: 4,273 SM

PROJECT: Consolidated Fitness Center. (Current Mission)

REQUIREMENT: Vandenberg Air Force Base requires an adequate facility to conduct comprehensive and balanced programs for daily recreational sports, athletic events, cardiovascular/aerobic training, and strength training to support and improve the quality of life and physical fitness of base personnel and their families. These programs are designed for all members of the military community and are particularly important in providing young airmen with wholesome sports and recreational activities that enhance their mental and physical well being. The finished complex needs to include the following core fitness center areas: courts for basketball, volleyball and racquetball; aerobics area; administrative support area; men's and women's locker rooms; free weight training room; stretching area; Health and Wellness center (HAWC); group exercise area; general storage; and laundry room. Additionally, project needs to include the following enhanced areas: lap pool, DV locker rooms, food demonstration area, and sauna.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VANDENBERG AIR FORCE BASE, CALIFORNIA	FITNESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	740-674	XUMU923007	16,845

CURRENT SITUATION: Currently, the existing Fitness Center and HAWC programs are located at four geographically separated locations on Vandenberg AFB. The main gymnasium was constructed in 1968 and shows the wear and tear of being highly utilized, 36-year-old facility which has not had a major renovation. The other buildings are one mile away. Two of the buildings were built in 1942, one in 1967, and other in 1980 and are severely deteriorated wood-frame facilities which have outlived their useful life, are beyond economical repair, and will be demolished under this project. In addition, the gymnasium operations at the four locations are fragmented, and cannot be staffed full time. There is inadequate gym space, especially during peak hours. The existing weight room and exercise equipment areas become extremely overcrowded. The aerobics program is not run in the main center due to lack of space. If an individual wants to work on exercise equipment or weights and then participate in aerobics training, he/she must drive to separate gymnasium locations. The existing pool does not have an enclosure for environmental control and to shield it from cold Pacific Ocean winds. There is also a rainy season in the winter, thus limiting fitness classes during the winter months. Approximately 750 people per day use the existing four fitness facilities. During peak use hours, cardio and life circuit equipment rooms are designated for active duty members first with others able to use on a space available basis. The existing main fitness center is not fully functional due to inadequate offices, laundry room, female accommodations and locker spaces.

IMPACT IF NOT PROVIDED: Base personnel will continue to use substandard, inefficient, and overcrowded physical fitness facilities which will adversely impact military fitness requirements. The health, physical well being, and morale that are essential to the development and retention of personnel will continue to suffer. Current programs will have to be curtailed, and some deleted due to poorly configured and widely dispersed locations. Expensive renovations and repairs will have to be made for the fitness center to continue operations. Customers will continue to be inconvenienced and the problem will become worse as other missions move to Vandenberg AFB. This adversely impacts the overall base mission.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084 "Facility Requirements" and the USAF Fitness Facilities Design Guide. An Economic Analysis has been prepared comparing alternatives of new construction, revitalization, addition/alteration of existing fitness center, and status quo. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. Base Civil Engineer: Lt Col Douglas K. Tucker, (805) 606-6855. Fitness Center: 6,220 SM = 66,952 SF.

JOINT USE CERTIFICATION: This project 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VANDENBERG AIR FORCE BASE, CALIFORNIA	FITNESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	740-674	XUMU923007	16,845

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	20-SEP-04
(e) Date Design Complete	15-SEP-05
(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	1,011
(b) All Other Design Costs	505
(c) Total	1,516
(d) Contract	1,266
(e) In-house	250
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 JAN
(6) Construction Completion	07 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)
EQUIPMENT	3080	5	300

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION BUCKLEY AIR FORCE BASE COLORADO	COMMAND: AIR FORCE SPACE COMMAND	5. AREA CONST COST INDEX 1.02

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 04	246	1904	2285	0	0	0	0	0	0	4,435
END FY 2009	246	1904	2285	0	0	0	0	0	0	4,435

7. INVENTORY DATA ($000)

Total Acreage:	3,872	
Inventory Total as of : (30 SEP 04)		444,569
Authorization Not Yet in Inventory:		100,060
Authorization Requested in this Program:		20,100
Authorization Included in the Following Program:	(FY 2007)	12,600
Planned in Next Four Years Program:		55,500
Remaining Deficiency:		0
Grand Total:		632,829

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
610-243	Consolidated Services Facility	1,310	SM	4,000	Design Build	
610-284	Leadership Development Center	1,638	SM	5,500	Apr-04	Sep-05
131-111	Add/Alter Communications Center	5,666	SM	10,600	Apr-04	Sep-05
		Total		20,100		

9a. Future Projects: Included in the Following Program: (FY2007)

124-135	Consolidated Fuel Facility	10,000	BL	7,100	Design Build	
442-758	Logistics Readiness Facility	2,290	SM	5,500	Apr-05	Sep-06
		Total		12,600		

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

171-476	Small Arms Range Complex	3,114	SM	10,400
179-511	Fire Training Facility	1	EA	3,500
214-425	Vehicle Maintenance Facility	1,812	SM	4,600
442-758	Consolidated Base Warehouse	9,293	SM	9,100
730-441	Education Center	2,045	SM	6,200
730-835	Security Forces Operations Facility	2,798	SM	7,700
730-837	Entry Control Facility	167	SM	2,500
740-674	ADAL Fitness Center	687	SM	3,500
851-147	Upgrade Base Infrastructure PH IV	1	EA	8,000

9c. Real Propery Maintenance Backlog This Installation ($M) 33

10. Mission or Major Functions: A space group; a space warning squadron; an operations support squadron; Aerospace Data Facility; an Air Force Reserve Command space warning squadron; and an Air National Guard wing with F-16 aircraft providing combat capability through superior services to air and space, DoD missions and expeditionary forces.

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BUCKLEY AIR FORCE BASE, COLORADO	CONSOLIDATED SERVICES FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	610-243	CRWU063006	4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CONSOLIDATED SERVICES FACILITY				2,561
CONSOLIDATED SERVICES BUILDING	SM	1,310	1,884	(2,469)
ANTITERRORISM FORCE PROTECTION	SM	1,310	36	(47)
INTERIOR COMMUNICATIONS SUPPORT	LS			(45)
SUPPORTING FACILITIES				1,031
PAVEMENTS	LS			(284)
UTILITIES	LS			(162)
SITE IMPROVEMENTS	LS			(183)
EXTERIOR COMMUNICATIONS SUPPORT	LS			(116)
SPECIAL FOUNDATIONS FOR EXPANSIVE SOILS	LS			(198)
SOIL REMEDIATION	LS			(88)
SUBTOTAL				3,592
CONTINGENCY (5.0 %)				180
TOTAL CONTRACT COST				3,772
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				215
TOTAL REQUEST				3,987
TOTAL REQUEST (ROUNDED)				4,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(359)

10. Description of Proposed Construction: Single story steel frame structure with reinforced concrete foundation and slab, split faced CMU exterior, finish system accents, and standing seam metal roof. Includes utilities, parking, access, site preparation, pre-wiring for telecommunications, and all other support. Upon completion of this facility the modular facility's (1,680 SM) lease will be terminated. Comply with DoD force protection requirements per unified facilities criteria.

Air Conditioning: 40 Tons

11. REQUIREMENT: 1,310 SM ADEQUATE: 0 SM SUBSTANDARD: 1,680 SM

PROJECT: Construct a Consolidated Services Facility. (Current Mission)

REQUIREMENT: Buckley Air Force Base became an Air Force Space Command installation on 1 Oct 00 per direction from the SECAF and CSAF. The 460th Air Base Wing stood up effective October 2001. A properly sized and configured Consolidated Services Facility is needed to house base services functions to include: Services Director and staff, Marketing, NAF Human Resources, Readiness, Resources Flight, Combat Support, Honor Guard, Search and Recovery, and Food Services Offices. The facility is required to support over 6,000 military personnel plus their dependents.

CURRENT SITUATION: At the present time, the base services functions at Buckley AFB are housed in a leased temporary modular facility. The functions are scattered in different locations with little or no identity for either services employees or their customers. Managing the Services functions with inefficient space and dispersed staff introduces inefficiencies in operations. The dispersed functions burdens Services with additional

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BUCKLEY AIR FORCE BASE, COLORADO	CONSOLIDATED SERVICES FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	610-243	CRWU063006	4,000

overhead costs while discouraging customer accessibility and support.

IMPACT IF NOT PROVIDED: Without a consolidated services facility, management of this function will become increasingly fragmented and inefficient resulting in a loss of customer care and attention at a time when it is needed most. Recreational support and morale-building opportunities for newly assigned personnel will diminish.

ADDITIONAL: This project meets the scope/criteria specified in the Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accommodating this project (status quo, renovation, upgrade/removal, new construction and lease) was done. It indicates there is only one option, new construction, that will meet operational requirements. Because of this a full economic analysis was not preformed. Certificate of Exception has been initiated. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col Christopher C. McLane, (720) 847-6501. Consolidated Services Facility: 1,310 SM = 14,101 SF.

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BUCKLEY AIR FORCE BASE, COLORADO	CONSOLIDATED SERVICES FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	610-243	CRWU063006	4,000

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 200

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 MAR

(6) Construction Completion 07 MAR

(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)
FURNISHINGS	3400	2007	232
COMMUNICATIONS EQUIPMENT	3400	2007	127

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BUCKLEY AIR FORCE BASE, COLORADO	LEADERSHIP DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	610-284	CRWU063003	5,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
LEADERSHIP DEVELOPMENT CENTER				3,665
LEADERSHIP DEVELOPMENT CTR	SM	1,638	2,152	(3,526)
ANTITERRORISM FORCE PROTECTION	SM	1,638	25	(41)
INTERIOR COMMUNICATIONS SUPPORT	LS			(98)
SUPPORTING FACILITIES				1,297
UTILITIES	LS			(175)
PAVEMENTS	LS			(450)
SITE IMPROVEMENTS	LS			(171)
EXTERIOR COMMUNICATIONS SUPPORT	LS			(61)
SPECIAL FOUNDATIONS FOR EXPANSIVE SOILS	LS			(190)
SOIL REMEDIATION	LS			(250)
SUBTOTAL				4,962
CONTINGENCY (5.0 %)				248
TOTAL CONTRACT COST				5,210
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				297
TOTAL REQUEST				5,507
TOTAL REQUEST (ROUNDED)				5,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(425.0)

10. Description of Proposed Construction: Single-story steel frame structure with reinforced concrete foundation and slab for expansive soils, split face concrete masonry unit (CMU) exterior and standing seam metal/single ply roof. Includes utilities, parking, road access, site improvements, pre-wiring for voice and local area networks, and all necessary support. Comply with DoD force protection requirements per unified facilities criteria.

Air Conditioning: 40 Tons

11. REQUIREMENT: 6,198 SM ADEQUATE: 4,560 SM SUBSTANDARD: 0 SM

PROJECT: Construct a Leadership Development Center. (Current Mission)

REQUIREMENT: The Secretary of the Air Force and the Chief of Staff of the Air Force designated Air Force Space Command as installation host at Buckley AFB effective October 2000. The 460th Air Base Wing stood up effective October 2001. An adequate Leadership Development Center is essential for providing Wing and supported organizations with space for conducting leadership development seminars, meetings, and video teleconferences. The structure will include dividable meeting and video teleconferencing space for up to 450 personnel. Due to the nature of supported missions at Buckley AFB, secure telecommunications and a facility having antiterrorist/force protection features are required.

CURRENT SITUATION: Adequate facilities capable of hosting large meetings and video teleconferences are not available on base. Many of the supported organizations have missions that impact national security. Metro area facilities are not equipped with

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BUCKLEY AIR FORCE BASE, COLORADO	LEADERSHIP DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	610-284	CRWU063003	5,500

required secure telecommunications and do not provide the level of security required for hosting meetings concerning such missions. Large leadership development sessions are held in on-base facilities that are not sized to accommodate all attendees in a single session. Inadequately sized facilities require that meetings be replicated to provide all attendees an opportunity to interact with presenters. Such repetition is inefficient and costly. Many Wing hosted meetings are either held off post or are held at inadequate ANG facilities. Leadership Development facilities at bases outside the Metro area have limited availability and involve unacceptable travel times. Due to inadequate facilities, Officers, Non-Commissioned Officers, and civilian employees are missing valuable leadership development opportunities that are afforded personnel at more established bases.

IMPACT IF NOT PROVIDED: Officers, Non-Commissioned Officers, and civilian employees will continue to miss valuable leadership development opportunities. Personnel will expend additional time away from work in order to travel outside the metro area to attend leadership development functions, teleconferences, and other large meetings. Visiting personnel attending on-base meetings will expend excessive time seeking lunch at limited on base or at distant off base eateries. Wing hosted meetings, awards banquets, hail and farewells, and holiday events will continue to be held either off-base or at borrowed on-base facilities with decor, furnishings and kitchen capabilities that present formidable challenges.

ADDITIONAL: This project meets the criteria/scope specified in AF Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project to include status quo, renovation, upgrade/removal, new construction, and lease was completed. It indicates there is only one option that will satisfy statutory requirements and meet operational constraints. Because of this a full economic analysis was not performed. A Certificate of waiver has been initiated. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col Christopher C. McLane, (720) 847-6501. Leadership Development Center: 1,638 SM = 17,631 SF

JOINT USE CERTIFICATION: This facility is programmed for joint use with the Army, Navy and Marine Corps; however, it is fully funded by the Air Force.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BUCKLEY AIR FORCE BASE, COLORADO	LEADERSHIP DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	610-284	CRWU063003	5,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	01-APR-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	01-SEP-04
(e) Date Design Complete	10-SEP-05
(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	330
(b) All Other Design Costs	165
(c) Total	495
(d) Contract	410
(e) In-house	85
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 JAN
(6) Construction Completion	07 FEB

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
SYSTEMS FURNITURE	3400	2006	95
CHAIRS/TABLES	3400	2006	85
COMMUNICATIONS EQUIPMENT	3400	2006	125
KITCHEN EQUIPMENT	3400	2006	120

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BUCKLEY AIR FORCE BASE, COLORADO	ADD/ALTER COMMUNICATIONS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	131-111	CRWU053006	10,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
ADD/ALTER COMMUNICATIONS CENTER				8,561
COMMUNICATIONS FACILITY (ADD)	SM	4,058	1,896	(7,695)
COMMUNICATIONS FACILITY (ALTER)	SM	1,608	341	(548)
ANTITERRORISM/FORCE PROTECTION	SM	5,666	14	(79)
INTERIOR COMMUNICATIONS SUPPORT	LS			(238)
SUPPORTING FACILITIES				1,020
SITE IMPROVEMENTS	LS			(85)
PAVEMENTS	LS			(279)
UTILITIES	LS			(67)
GENERATOR, EMERGENCY, 100 KW	LS			(100)
SPECIAL FOUNDATIONS	LS			(170)
EXTERIOR COMMUNICATIONS SUPPORT	LS			(75)
DEMOLITION	SM	4,794	51	(244)
SUBTOTAL				9,581
CONTINGENCY (5.0 %)				479
TOTAL CONTRACT COST				10,060
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				573
TOTAL REQUEST				10,634
TOTAL REQUEST (ROUNDED)				10,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2,000.0)

10. Description of Proposed Construction: One-story with basement structural steel frame with reinforced concrete foundation for expansive soils. Exterior materials will be CMU veneer and precast concrete with finish system accents and membrane roof. Includes utilities, parking, access, site preparation, back-up generator, pre-wiring for voice and local area networks. Comply with DoD interim force protection requirements per unified facilities criteria. Demolish two facilities (4,794 SM).

Air Conditioning: 150 Tons

11. REQUIREMENT: 34,923 SM ADEQUATE: 29,257 SM SUBSTANDARD: 6,402 SM

PROJECT: Add/Alter a Communications Center. (Current Mission)

REQUIREMENT: Buckley Air Force Base became an AFSPC installation on 1 Oct 00 per direction from the SECAF and CSAF. An adequate and functional communications center is required to provide support to installation operations and facilities being added at Buckley AFB. The facility must provide administrative offices, information management spaces and offices, expanded base telephone operations, additional telephone maintenance, telecommunications equipment control, the base network control center, technical control center, and an information assurance center.

CURRENT SITUATION: The existing Communications Center at Buckley AFB was constructed in 1975 for very limited telephone operations. The telecommunications capacity is

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BUCKLEY AIR FORCE BASE, COLORADO	ADD/ALTER COMMUNICATIONS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	131-111	CRWU053006	10,600

inadequate to support the new mission at Buckley AFB. The existing Communications Center in Bldg 850 is far too small to house the new requirement. There is insufficient capacity in telecommunications lines to support the planned expansion of facilities and data transmission. It is uneconomical to expand the existing Communications Center in Bldg 850 for cable or switching capacity. There is no other space available on the installation for establishment of a network control center or any information assurance operations. There is inadequate space to store critical communications maintenance equipment and supplies, secure storage of communications security (COMSEC) documents and mandatory records staging. The telecommunications switch and cable rack will not handle the future, end-strength capacity projected from the base build up. Additional space in the current switch and rack area in Bldg 850 is unavailable. Temporary arrangements have been made for network and secure communication functions in Bldg 950. This building is in the Airfield Clear Zone and will require annual obstruction waivers. Currently, 120 personnel occupy Bldg 950 as an interim solution.

IMPACT IF NOT PROVIDED: If a new Communications Center is not provided, the existing telecommunications capacities will not support future planned requirements for the new active duty Air Base Wing. Essential communications services to support the mission and the community will not occur. Voice and data communication services for new facilities and operations will be severely limited and inadequate. The network control center, secure communications, and information assurance functions will remain in temporary facilities at risk of information disruption or compromise and an obstruction risk to aircraft. Additionally, 120 personnel will remain in temporary space fragmented from the main communications facility.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, and/or leasing) was done. It indicates that new construction and renovation will meet operational requirements. Because of this, a full economic analysis was not performed. A Certificate of Exception has been initiated. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design" and Air Force Handbook 32-1084, "Facility Requirements". Base Civil Engineer: Lt Col Christopher C. McLane, (720) 847-6501. Communications Facility (Add): 4,058 SM = 43,664 SF; Communications Facility (Alter): 1,608 SM = 17,302 SF.

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BUCKLEY AIR FORCE BASE, COLORADO	ADD/ALTER COMMUNICATIONS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	131-111	CRWU053006	10,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	01-APR-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	01-SEP-04
(e) Date Design Complete	15-SEP-05
(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	636
(b) All Other Design Costs	318
(c) Total	954
(d) Contract	794
(e) In-house	160

(4) Construction Contract Award	06 JAN
(5) Construction Start	06 MAR
(6) Construction Completion	07 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)
COMMUNICATIONS EQUIPMENT	3400	2006	1,500
FURNISHINGS	3400	2006	500

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
PETERSON AIR FORCE BASE COLORADO	AIR FORCE SPACE COMMAND	1.11

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	1397	2219	2300	0	0	0	0	0	0	5,916
END FY 2009	1397	2219	2300	0	0	0	0	0	0	5,916

7. INVENTORY DATA ($000)

Total Acreage:	1,295	
Inventory Total as of : (30 SEP 04)		407,653
Authorization Not Yet in Inventory:		10,200
Authorization Requested in this Program:		12,800
Authorization Included in the Following Program:	(FY 2007)	10,600
Planned in Next Four Years Program:		102,605
Remaining Deficiency:		25,000
Grand Total:		568,858

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
851-147	West Gate Force Protection/Access	828	SM	12,800	Apr-04	Sep-05
		Total		12,800		

9a. Future Projects: Included in the Following Program: (FY 2007)

None

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

141-454	76th Space Control Facility	3,290	SM	12,700
911-146	Command Complex Force Protection	40	AC	8,500
851-147	NORAD/USSPACE/ARSPACE Access	20,100	SM	3,000
740-873	National Space Security Institute	3,345	SM	23,000
721-315	Visiting Airmen Quarters	3,775	SM	12,500
730-835	Security Forces Facility	1,850	SM	6,083
442-758	Mission Support Warehouse	11,980	SM	12,000
141-782	Mobility Deployment Center	4,000	SM	8,000
740-674	Fitness Center Annex	2,000	SM	7,322
851-147	Widen Paine Street	3800	SM	1,200
141-454	ADAL Combined Intelligence Center	2600	SM	8,300

9c. Real Propery Maintenance Backlog This Installation ($M) 43.6

10. Mission or Major Functions: The 21 Space Wing (SW) provides missile warning and space control to North American Aerospace Defense and U.S. Strategic Command through a network of command and control units and ground and space–based sensors operated by geographically separated units around the world. The 21 SW: 1) Provides early warning of strategic and theater ballistic missile attacks and foreign space launches; 2) Detects, tracks and catalogs more than 9,500 manmade objects in space, from those in near–Earth orbit to objects up to 22,300 miles above the earth's surface; 3) Explores counterspace warfighting technologies in the field; 4) Hosts HQ NORAD, HQ NORTHCOM, HQ Air Force Space Command and the 302nd Airlift Wing; 5) Operates and supports Cheyenne Mountain Air Force Station; Thule Air Base, Greenland; and Clear AFS, Alaska; 6) Provides community support to the 50th Space Wing, Schriever AFB, CO; 7) Provides community support to the Colorado Springs and the Denver areas.

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PETERSON AIR FORCE BASE, COLORADO	WEST GATE FORCE PROTECTION/ACCESS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	851-147	TDKA033004	12,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
WEST GATE FORCE PROTECTION/ACCESS				1,896
VEHICLE INSPECTION FACILITY	SM	372	1,674	(623)
ENTRY CONTROL FACILITY	SM	400	2,601	(1,040)
MAIN GUARD HOUSE	SM	56	4,165	(233)
SUPPORTING FACILITIES				9,680
UTILITIES	LS			(1,100)
PAVEMENTS	LS			(650)
BRIDGE	LS			(4,500)
LAND PURCHASE	HA	7	140,000	(980)
SITE IMPROVEMENTS	LS			(650)
ACCESS ROAD	LS			(1,800)
SUBTOTAL				11,576
CONTINGENCY (5.0 %)				579
TOTAL CONTRACT COST				12,155
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				693
TOTAL REQUEST				12,848
TOTAL REQUEST (ROUNDED)				12,800

10. Description of Proposed Construction: Bridge work will be reinforced concrete; facilities will be masonry on slab-on-grade concrete foundations. Widen the existing asphalt street for three inbound lanes, two outbound lanes and a tractor trailer inspection area. Includes environmental mitigation, utilities, civil, electrical, landscaping and all other support.

11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS

PROJECT: West gate force protection/access. (Current Mission)

REQUIREMENT: DoD installations are required to implement antiterrorism/force protection construction standards and to develop protective measures for DoD assets. A requirement exists to increase the traffic volume capacity of the existing west gate of Peterson AFB. Included in the expansion is the construction of an additional two-lane bridge across a drainage canal at the base boundary. The location of the guardhouse will be moved approximately 100 meters inside the base in order to facilitate construction of a vehicle inspection area outside of the controlled base perimeter. The road through the west gate will be widened to accommodate three inbound and two outbound lanes. Removal of an existing temporary building and the relocation of several utilities are included in the scope of the project. Construction of a new entry control facility is also required to process visitor's badges, permanent security badges and vehicle passes for effective controlled entry into Peterson AFB.

CURRENT SITUATION: Currently Peterson AFB's main gate is the north gate. However, a large percentage of the base populace utilizes the west gate on a daily basis. Entry to and exit from Peterson AFB via the west gate are each limited to a single lane of

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PETERSON AIR FORCE BASE, COLORADO	WEST GATE FORCE PROTECTION/ACCESS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	851-147	TDKA033004	12,800

traffic. Currently the west gate is used for all supply, vendor, and construction deliveries on base. Therefore, a large volume of trucks uses this gate. Force protection will continue to be a major concern. As a result, Security Forces personnel inspect all delivery vehicles. There currently is not adequate space to have more than one vehicle waiting to be inspected without severely impacting traffic flow. At peak traffic times, weekday mornings and evenings, the congestion at the gate causes delays up to one hour for hundreds of people. Also, due to the proximity to the main [north] gate of the existing AFSPC, NORTHCOM, and ARSPACE Headquarters buildings, it is the long-range plan of the base to establish the west gate as the base main gate. It is imperative that the west gate be widened prior to its transition to the main gate.

IMPACT IF NOT PROVIDED: Due to its capacity to handle a very large volume of traffic, the north gate will continue to serve as the main gate for Peterson AFB. Therefore, it is inevitable that the large volume of traffic will flow not less than twice daily adjacent to the three Command headquarters building complex. This scenario is undesirable from a force protection perspective. Also, the congestion problem for those using the west gate will continue.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements. Base Civil Engineer: All known alternatives were considered during the development of this project. No option could meet the mission requirements, therefore no economic analysis was needed or performed. Lt Col David B. McCormick, Commercial 719-556-7631. Vehicle Inspection Facility: 372 SM = 4,002 SF; Visitor Center: 400 SM = 4,304 SF; Main Guard House: 56 SM = 603 SF.

JOINT USE CERTIFICATION: This is an installation infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PETERSON AIR FORCE BASE, COLORADO	WEST GATE FORCE PROTECTION/ACCESS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	851-147	TDKA033004	12,800

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	26-APR-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-SEP-04
(e) Date Design Complete	15-SEP-05
(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	768
(b) All Other Design Costs	384
(c) Total	1,152
(d) Contract	1,000
(e) In-house	152

(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 JUN

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

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

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST
USAF ACADEMY	UNITED STATES AIR FORCE	COST INDEX
COLORADO	ACADEMY	1.11

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	929	1011	2483	0	182	0	21	4000	190	8,816
END FY 2009	902	872	2223	0	182	0	21	4000	190	8,390

7. INVENTORY DATA ($000)

Total Acreage:	53,276	
Inventory Total as of : (30 Sep 04)		429,549
Authorization Not Yet in Inventory:		20,648
Authorization Requested in this Program:		13,000
Authorization Included in the Following Program:	(FY 2007)	0
Planned in Next Four Years Program:		74,743
Remaining Deficiency:		30000
Grand Total:		567,940

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
171-853	Upgrade Academic Facility, Ph 4A	7,453	SM	13,000	Apr-04	Sep-05
		Total		13,000		

9a. Future Projects: Included in the Following Program: (FY2007)

None

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

171-853	Upgrade Academic Facility, Ph IV B	17,078	SM	15,726
171-853	Upgrade Academic Facility, Ph 5	16,285	SM	12,300
171-853	Construct S. Gate Vehicle Search	474	SM	4,756
610-112	Construct Judicial Center	1,200	SM	7,500
831-165	Environmental Improvements to WWTP	1	LS	4,554
610-284	Mission Planning Center	3,400	SM	8,500
831-165	Environmental Improvements to WWTP	1	LS	5,600
171-157	Cadet Fitness Center	5,199	SM	15,807

9c. Real Propery Maintenance Backlog This Installation 144

10. Mission or Major Functions: Responsible for providing education and training for cadets to become Air Force officers; a training wing including three flying training squadrons supporting parachuting and glider aircraft; and an air base wing

11. Outstanding pollution and Safety (OSHA Deficiencies:

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

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
USAF ACADEMY, COLORADO	UPGRADE ACADEMIC FACILITY, PHASE IVA

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85896	171-853	XQPZ950211	13,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
UPGRADE ACADEMIC FACILITY				8,717
RENOVATE FACILITY	SM	7,453	700	(5,217)
UPGRADE FIRE/ELEC/HVAC SYSTEMS	LS			(3,500)
SUPPORTING FACILITIES				3,010
HAZARDOUS MATERIALS ABATEMENT	LS			(2,000)
COMMUNICATIONS/FIRESYSTEMS	LS			(450)
INTERIOR DEMOLITION	LS			(560)
SUBTOTAL				11,727
CONTINGENCY (5.0 %)				586
TOTAL CONTRACT COST				12,313
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				702
TOTAL REQUEST				13,015
TOTAL REQUEST (ROUNDED)				13,000

10. Description of Proposed Construction: Correct life-safety code deficiencies such as fire detection/protection, egress, and handicap provisions. Includes reconfiguration/repair of offices, ceilings, floors, corridors, asbestos removal, communications, HVAC systems and all necessary support.

11. REQUIREMENT: 140,983 SM ADEQUATE: 93,133 SM SUBSTANDARD: 47,850 SM

PROJECT: Upgrade academic facility. (Current Mission)

REQUIREMENT: Fire alarm and detection capabilities will be updated to current standards in each area impacted by the project. First floor renovations include demolition and installation of walls, floor, ceilings and associated finishes for the Registrar and the Cadet Counseling and Leadership Development Center. Second floor renovations include renovating the Precision Measurement Equipment Laboratory to bring it up to current standards. Third floor renovations include improvements to existing lecture hall floors, walls, ceilings, HVAC and a fire system upgrade. Sixth floor renovations include various office areas and restrooms that were designed but not funded in previous phases of this project. Renovations include demolition, reconfiguration and full finish upgrades to floors, walls, and ceilings. Additionally, HVAC and fire systems will be upgraded. Asbestos and lead-based paint are present and will be mitigated in each area of the project.

CURRENT SITUATION: Common areas, offices, and lecture halls are in many cases original construction over 40 years old and do not meet current life-safety and building code standards. These areas do not have fire protection/detection or sufficient emergency lighting for safe egress during power outages. Handicap accessibility is also insufficient. Ceilings in these areas are composed of suspended metal grids with outdated lighting above the grids resulting in poor lighting, wasted energy, and intensive maintenance.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
USAF ACADEMY, COLORADO	UPGRADE ACADEMIC FACILITY, PHASE IVA

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85896	171-853	XQPZ950211	13,000

IMPACT IF NOT PROVIDED: Environmental, safety, and building code discrepancies will continue to jeopardize the safety of the occupants. Office functions will continue to operate out of inadequate and inefficient space impairing the ability to provide academic support.

ADDITIONAL: This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirement." A certificate of exception waiving a full economic analysis was completed. It indicates that renovation is the only option that will meet operational requirements. Previous authorized and appropriated phases are: FY97, Upgrade Academic Facility ($10.47M); FY98, Upgrade Academic Facility ($9.854M); FY00, Upgrade Academic Facility ($17.5M). Base Civil Engineer: Lt Col Mohsen Parhizkar, (719) 333-2660. Renovation: 7,453 SM = 80,226 SF.

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
USAF ACADEMY, COLORADO	UPGRADE ACADEMIC FACILITY, PHASE IVA

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85896	171-853	XQPZ950211	13,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-SEP-04
(e) Date Design Complete	05-AUG-05
(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	810
(b) All Other Design Costs	409
(c) Total	1,219
(d) Contract	1,080
(e) In-house	139
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 JAN
(6) Construction Completion	07 MAY

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

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

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE DELAWARE	4. COMMAND: AIR MOBILITY COMMAND	5. AREA CONST COST INDEX 1.06

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	681	5194	1314	0	0	0	0	1	50	7,240
END FY 2009	556	4933	1492	1	56	4	0	1	50	7,093

7. INVENTORY DATA ($000)

Total Acreage: 3,824

Inventory Total as of : (30 Sep 04)		1,353,020
Authorization Not Yet in Inventory:		102,000
Authorization Requested in this Program:		19,000
Authorization Included in the Following Program:	(FY 2007)	17,000
Planned in Next Four Years Program:		39,200
Remaining Deficiency:		11,000
Grand Total:		1,541,220

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
171-212	C-17 Flight Simulator Facility	1,262	SM	5,000	Jul-04	Sep-05
721-312	Dormitory	144	RM	13,000	Design -	Build
442-758	C-17 Alter Facilities for Parts Storage	2,000	SM	1,000	Apr-04	Sep-05
			TOTAL	19,000		

9a. Future Projects: Included in the Following Program:		(FY2007)				
141-753	C-17 Aircrew Life Support	1,918	SM	5,500	Design -	Build
211-157	C-17 Engine Storage Facility	1,022	SM	3,000	Mar-05	Aug-06
211-152	C-17 ADAL Composite Shop	1,200	SM	2,600	Jun-05	Sep-06
211-179	C-17 Alter Hangars	1	LS	5,900	Jun-05	Sep-06
			TOTAL	17,000		

9b. Future Projects: Typical Planned Next Four Years:				
742-674	ADAL Physical Fitness Center	4,000	SM	12,000
131-111	Consolidated Communications Facility	4,250	SM	11,000
218-868	Precision Measurement Equip Lab	925	SM	3,000
730-773	Chapel Center	1,220	SM	4,200
730-835	Security Forces Complex	3,700	SM	9,000
			TOTAL	39,200

9c. Real Property Maintenance Backlog This Installation ($M) 78

10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an AFRC Associate C-5 airlift wing.

11. Outstanding pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOVER AIR FORCE BASE, DELAWARE	C-17 FLIGHT SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	FJXT053013	5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
FLIGHT SIMULATOR				3,155
C-17 FLIGHT SIMULATOR	SM	1,262	2,450	(3,092)
ANTITERRORISM FORCE PROTECTION	SM	1,262	50	(63)
SUPPORTING FACILITIES				1,370
PAVEMENTS	LS			(300)
SITE IMPROVEMENTS	LS			(300)
COMMUNICATIONS SUPPORT	LS			(220)
UTILITIES/WATER/SEWER	LS			(550)
SUBTOTAL				4,525
CONTINGENCY (5.0 %)				226
TOTAL CONTRACT COST				4,751
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				271
TOTAL REQUEST				5,022
TOTAL REQUEST (ROUNDED)				5,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(20,200.0)

10. Description of Proposed Construction: Steel frame high bay structure with reinforced concrete foundation and floor slab, masonry walls/finish system, sloped metal roof, electrical, mechanical, communications, fire protection and detection systems, site improvements, vehicle parking and all other necessary support. Includes antiterrorism force protection physical security measures IAW DoD minimum construction standards.

Air Conditioning: 150 Tons

11. REQUIREMENT: 1,262 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct a C-17 flight simulator training facility (New Mission)

REQUIREMENT: C-17 flight simulator facility to support the 4th Qtr of FY07 beddown of a C-17 squadron. An adequately sized and properly configured and sited facility to meet the mission qualification, training and proficiency of aircrew personnel. It is essential to provide hazardous emergency training procedures that otherwise could not be conducted. Aircrew Training System (ATS) operation requires space for one Weapon System Trainer, one Loadmaster Station, a Visual Threat Recognition and Avoidance Trainer (VTRAT), test equipment, spares, contractor operations and maintenance personnel, training material, computer based training equipment and a simulator project officer. The first aircraft is scheduled to arrive in June 2007. An operational training facility is required six months prior (January 2007) to first aircraft arrival for training of aircrews assigned to Dover prior to aircraft delivery.

CURRENT SITUATION: There is not an existing facility that can be modified for the C-17 simulator. C-5 simulator training is accomplished locally and must be remain operational during the C-17 beddown. C-17 flight simulators at other bases are fully utilized and are not available for Dover's aircrew use.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOVER AIR FORCE BASE, DELAWARE	C-17 FLIGHT SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	FJXT053013	5,000

IMPACT IF NOT PROVIDED: The beddown and safe operation of the C-17 aircraft cannot be accomplished without providing the required flight simulator training facilities. Emergency procedures training that can only be taught in the simulator would need to be accomplished elsewhere, negatively impacting the availability of aircrews for other duties.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Civil Engineering Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates that there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Kent H. Nonaka, (302) 677-6768. C-17 Flight Simulator Facility: 1,262 SM = 13,574 SF

JOINT USE CERTIFICATION: This facility is programmed for joint use with the Air Force Reserve Command; however, it is fully funded by the Air Force.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOVER AIR FORCE BASE, DELAWARE	C-17 FLIGHT SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	FJXT053013	5,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	26-JUL-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	35%
* (d) Date 35% Designed	10-SEP-04
(e) Date Design Complete	12-SEP-05
(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	300
(b) All Other Design Costs	150
(c) Total	450
(d) Contract	375
(e) In-house	75
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 JAN

* 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)
FLIGHT SIMULATOR EQUIPMENT	3010	2005	20,000
FURNITURE	3400	2007	150
COMMUNICATIONS EQUIPMENT	3400	2006	50

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOVER AIR FORCE BASE, DELAWARE	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	721-312	FJXT063000	13,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
DORMITORY				9,410
DORMITORY (144 RM)	SM	5,000	1,862	(9,310)
ANTITERRORISM FORCE PROTECTION	SM	5,000	20	(100)
SUPPORTING FACILITIES				2,331
UTILITIES	LS			(600)
PAVEMENTS	LS			(600)
SITE IMPROVEMENTS	LS			(400)
COMMUNICATIONS SUPPORT	LS			(300)
DEMOLITION	SM	2,876	150	(431)
SUBTOTAL				11,741
CONTINGENCY (5.0 %)				587
TOTAL CONTRACT COST				12,328
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				703
TOTAL REQUEST				13,031
TOTAL REQUEST (ROUNDED)				13,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2,000)

10. Description of Proposed Construction: Three story steel frame structure with reinforced concrete foundation and floor slabs, masonry walls/finish system, sloped metal roof, elevators, parking, walkways, utilities and other necessary support. Space includes living modules, laundry, vending, storage, administrative, recreation and supporting facilities. Includes antiterrorism/force protection requirements identified in DoD unified facilities criteria. Demolish three substandard modular dormitories (2,876 SM).

Air Conditioning: 150 Tons Grade Mix: E1-E4 144

11. REQUIREMENT: 752 RM ADEQUATE: 542 RM SUBSTANDARD: 180 RM

PROJECT: Construct a 144 room 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. This project is in accordance with the Air Force Dormitory Master Plan.

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

IMPACT IF NOT PROVIDED: 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:

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE		4. PROJECT TITLE DORMITORY (144 RM)	
5. PROGRAM ELEMENT 41896	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FJXT063000	8. PROJECT COST ($000) 13,000

This project meets the scope/criteria specified in the new uniform barracks construction standard known as "Dorms-4-Airmen" established by the Air Force. 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. A Certificate of Exception was completed. Unaccompanied Housing RPM conducted: FY03 - $1,461K (Act); FY04 $170K (Act); FY05 - $100K (Est); FY06 - $100K (Est); FY07 - $100K (Est). Base Civil Engineer: Lt Col Kent H. Nonaka, (302) 677-6768. 144 RM Dormitory: 5,000 SM = 53,800 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOVER AIR FORCE BASE, DELAWARE	DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	721-312	FJXT063000	13,000

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 650

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 07 NOV

(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)
FURNITURE / EQUIPMENT	3080	2006	2,000

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOVER AIR FORCE BASE, DELAWARE	C-17 ALTER FACILITIES FOR PARTS STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	442-758	FJXT063020	1,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
C-17 ALTER FACILITIES FOR PARTS STORAGE				880
ALTER FACILITY 639	SM	1,000	440	(440)
ALTER FACILITY 515	SM	1,000	440	(440)
SUPPORTING FACILITIES				40
UTILITIES	LS			(40)
SUBTOTAL				920
CONTINGENCY (5.0 %)				46
TOTAL CONTRACT COST				966
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				55
TOTAL REQUEST				1,021
TOTAL REQUEST (ROUNDED)				1,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(500.0)

10. Description of Proposed Construction: Alter existing high bay areas in two base supply facilities to accept mechanized material handling systems (MMHS) for the efficient storing and issuing of C-17 aircraft parts. Work includes electrical, fire suppression and detection, HVAC and structural support for the MMHS installation.

11. REQUIREMENT: 25,103 SM ADEQUATE: 25,103 SM SUBSTANDARD: 0 SM

PROJECT: Alter two existing facilities to support C-17 parts storage (New Mission)

REQUIREMENT: An adequately sized and located parts storage and issue facility to support the beddown of a C-17 squadron at Dover AFB. First aircraft scheduled to arrive in June 2007 with parts starting to arrive six months prior to that date. Operational need date is January 2007.

CURRENT SITUATION: The C-5 parts store is in the process of relocating to a Logistics Readiness Squadron (LRS) facility as part of an air freight terminal construction project. With minor modifications this facility can accommodate the C-17 parts store as well. Readiness equipment currently stored in this facility will be relocated to another LRS facility. This relocation will also require minor modifications to the facility.

IMPACT IF NOT PROVIDED: Without this project logistical support for the C-17 beddown will not be available.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". Since the estimated cost of this project is less than two million dollars, an economic analysis is not required. BASE CIVIL ENGINEER: Lt Col Kent H. Nonaka, (302) 677-6768. (Alter Facility 639: 1,000 SM = 10,760 SF; Alter Facility 515: 1,000 SM = 10,760 SF)

JOINT USE CERTIFICATION: This project is programmed for joint use with the Air Force Reserve Command; however, it is fully funded by the Air Force.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOVER AIR FORCE BASE, DELAWARE	C-17 ALTER FACILITIES FOR PARTS STORAGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	442-758	FJXT063020	1,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-APR-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	35%
* (d) Date 35% Designed	06-SEP-04
(e) Date Design Complete	04-SEP-05
(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	60
(b) All Other Design Costs	30
(c) Total	90
(d) Contract	75
(e) In-house	15
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	06 DEC

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
MMHS	3080	2006	500

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
BOLLING AIR FORCE BASE DISTRICT OF COLUMBIA	AIR FORCE DISTRICT OF WASHINGTON	1.02

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	392	1245	916	0	0	0	301	784	40	3,678
END FY 2009	392	1231	953	0	0	0	301	784	40	3,701

7. INVENTORY DATA ($000)

Total Acreage:	607	
Inventory Total as of : (30 Sep 04)		551,780
Authorization Not Yet in Inventory:		3,473
Authorization Requested in this Program:		14,900
Authorization Included in the Following Program:	(FY 2007)	0
Planned in Next Four Years Program:		19,002
Remaining Deficiency:		15,000
Grand Total:		604,155

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
610-282	Construct Operations Facility	3610	SM	10,400	May-04	Sep-05
730-839	Force Protection Main Gate	1	LS	4,500	May-04	Sep-05
		Total		14,900		

9a. Future Projects: Included in the Following Program: (FY2007)

None

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

730-839	Force Protection South Gate	1	LS	3,998
442-758	Central Storage Facility	1	LS	4,336
171-158	Construct Band Annex	929	SM	5,226
730-142	Fire/Rescue Station	1,900	SM	5,442

9c. Real Propery Maintenance Backlog This Installation 34

10. Mission or Major Functions: A support wing for Air Force Personnel in the National Capital Region; Headquarters USAF functions includng Chief of Chaplains; Surgeon General, and Historian; Headquarters Air Force Office of Special Investigation; Air Force Office of Scientific Research; Air Force Legal Services Agency; Air Force Medical Operations Agency; USAF Band; and USAF Honor Guard.

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA	CONSTRUCT OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
91212	610-282	BXUR064321	10,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
OPERATIONS FACILITY				6,722
OPERATIONS FACILITY	SM	3,610	1,765	(6,372)
ANTITERRORISM FORCE PROTECTION	LS			(350)
SUPPORTING FACILITIES				2,666
UTILITIES, SITE IMPROVEMENTS, PAVEMENTS	LS			(1,200)
COMMUNICATIONS	LS			(250)
SPECIAL FOUNDATIONS	LS			(280)
SCIF	SM	1,440	650	(936)
SUBTOTAL				9,388
CONTINGENCY (5.0 %)				469
TOTAL CONTRACT COST				9,857
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				562
TOTAL REQUEST				10,419
TOTAL REQUEST (ROUNDED)				10,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(750.0)

10. Description of Proposed Construction: Classified.

11. REQUIREMENT: 3,610 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct an Operations facility. (Current Mission)

REQUIREMENT: Special access required.

CURRENT SITUATION: Special access required.

IMPACT IF NOT PROVIDED: Special access required.

ADDITIONAL: Office of Primary Responsibility: SAF/AA.

THIS DOCUMENT IS UNCLASSIFIED.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA	CONSTRUCT OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
91212	610-282	BXUR064321	10,400

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-SEP-04
(e) Date Design Complete	20-SEP-05
(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	624
(b) All Other Design Costs	312
(c) Total	936
(d) Contract	832
(e) In-house	104

(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 JUN

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3080	2007	750

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA	FORCE PROTECTION MAIN GATE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	730-839	BXUR217821	4,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
FORCE PROTECTION MAIN GATE				2,513
TRAFFIC CHECK HOUSE	SM	149	3,087	(460)
OVERWATCH FACILITY	SM	84	2,418	(203)
PERIMETER FENCE AND GATES	LM	3,000	300	(900)
ACTIVE BARRIER SYSTEM	LS			(750)
EXTERIOR LIGHTING	LS			(200)
SUPPORTING FACILITIES				1,550
UTILITIES	LS			(300)
DEMOLITION	LS			(350)
PAVEMENTS	LS			(650)
SITE IMPROVEMENTS	LS			(250)
SUBTOTAL				4,063
CONTINGENCY (5.0 %)				203
TOTAL CONTRACT COST				4,266
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				243
TOTAL REQUEST				4,509
TOTAL REQUEST (ROUNDED)				4,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(850.0)

10. Description of Proposed Construction: Force Protection upgrades to Main Gate includes construction of gatehouse with canopy. Construct an Overwatch Facility with Final Barrier System. Repave Main Gate entrance road to include turnaround areas and vehicle parking/inspection area. Add channelization island for traffic calming. Install entry gate with cabling system. Includes pavements, utilities, lighting, and site improvements. Demolish existing gate house and associated pavements.

11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS

PROJECT: Force protection main gate. (Current Mission)

REQUIREMENT: To provide adequate force protection for the base personnel and facilities. This requires construction of new gate for the Security Forces to perform personnel identification, vehicle inspections, and prevent unauthorized vehicles from entering the installation.

CURRENT SITUATION: Security Forces Squadron (SFS) personnel perform personnel identification checks and passenger vehicle inspections immediately inside Bolling AFB Main Gate. There is no pullover, turnaround, or Vehicle Parking/Inspection area. As a result, vehicles and personnel lacking proper identification must enter through the Main Gate turn onto the installation to turn around. This situation poses a significant risk to SFS and Bolling AFB personnel. Vehicle inspections must be performed by SFS personnel in the inbound traffic lanes. This situation impedes traffic flow, especially during peak traffic periods. The Main Gate has tire shredders to stop unauthorized personnel that are intent on "running the gate". Additionally, there are active barriers installed

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA	FORCE PROTECTION MAIN GATE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	730-839	BXUR217821	4,500

in the roadway. The current configuration of the Main Gate is inefficient and does not adequately protect military personnel and assets from terrorist activities.

IMPACT IF NOT PROVIDED: Failure to provide these Force Protection upgrades at the Main Gate continues to pose a significant risk of injury to SFS and Bolling AFB personnel. Key facilities and other mission critical facilities are located on the base perimenter near the Main Gate entrance and could be at serious risk of injury from terrorist activities.

ADDITIONAL: This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements". All known alternatives were considered during the development of this project. No option could meet the mission requirements, therefore, no economic analysis was needed or performed. Base Civil Engineer: Lt Col Dennis Jasinski (202) 767-5565. Traffic Check House: 149 SM = 1,604 SF; Overwatch Facility: 84 SM = 904 SF; Perimeter Fence and Gate: 3,000 LM = 9,840 SF.

JOINT USE CERTIFICATION: This is an installation utility/infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA	FORCE PROTECTION MAIN GATE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	730-839	BXUR217821	4,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	20-SEP-04
(e) Date Design Complete	10-SEP-05
(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	270
(b) All Other Design Costs	135
(c) Total	405
(d) Contract	340
(e) In-house	65
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 JAN
(6) Construction Completion	07 JAN

* 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)
UNDER VEHICLE SURVEILLANCE SYS	628	2007	250
ABOVE VEHICLE SURVEILLANCE SYS	628	2007	250
SMART GATE TECHNOLOGY	628	2007	350

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
HURLBURT FIELD, FLORIDA	AIR FORCE SPECIAL OPERATIONS COMMAND	0.8

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 Sep 04	971	4985	626	0	0	0	215	731	71	7,599
END FY 2009	998	5268	626	0	0	0	215	731	71	7,909

7. INVENTORY DATA ($000)			
Total Acreage:	6,634		
Inventory Total as of : (30 Sep 04)			733,525
Authorization Not Yet in Inventory:			18,000
Authorization Requested in this Program:			2,540
Authorization Included in the Following Program:		(2007)	31,000
Planned in Next Four Year Program:			73,920
Remaining Deficiency:			58,100
Grand Total:			917,085

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
171-211	Weapons Instructor Course Facility	1,115	SM	2,540	May-04	Sep-05
		Total		2,540		

9a. FUTURE PROJECTS: Included in the Following Program: (FY2007)

214-425	Vehicle Maintenance Facility (823 RHS)	3031	SM	6400	Apr-05	Sep-06
610-284	Mission Planning Facility	2,230	SM	7,800	Design Build	
730-835	ADAL Security Force Operations	1,158	SM	1,900	Apr-05	Sep-06
130-142	Fire/Crash Rescue Station	3,040	SM	6,000	Apr-05	Sep-06
730-832	AT/FP Main Gate-Soundside Access	512	Sm	6,500	Apr-05	Sep-06
851-147	Realign Cruz Avenue	460	LM	2,400	Apr-05	Mar-06
				31,000		

9b. FUTURE PROJECTS: Typical Planned Next Four Years:

171-621	Mobility and Training Facility (823 RHS)	1,000	SM	3,200
610-243	505th Exercise/Group HQ Fac	10,387	SM	23,619
442-758	Mobility Warehouse (823 RHS)	1,200	SM	3,200
851-147	Realign Cruz Avenue, Phase 2	550	LM	3,000
141-454	ADAL USAFSOS Facility	950	SM	2,801
724-417	Visiting Officers Quarters	1,950	SM	4,300
214-121	Vehicle Ops Admin Facility	1,289	SM	3,500
724-315	Add to Visiting Quarters	1,060	SM	2,800
171-815	Airman Leadership School	1,280	SM	3,300
442-758	Supply Warehouse	20,158	SM	19,500
214-425	Refueling Vehicle Maint Facility	395	SM	4,700

9c. REAL PROPERTY MAINTENANCE BACKLOG THIS INSTALLATION 32

10. MISSION OR MAJOR FUNCTIONS: Headquarters Air Force Special Operations Command; a special operations wing with AC-130/MC-130/MH-53/MH-60/UH-1 special operations squadrons; Air Force Special Operations School; a special tactics group; Air Force Command and Control Training & Innovation Group; a RED HORSE squadron; and the Air Force Combat Weather 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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HURLBURT FIELD, FLORIDA	WEAPONS INSTRUCTOR COURSE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
22176	171-211	FTEV023016	2,540

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
WEAPONS INSTRUCTOR COURSE FACILITY				1,897
WEAPONS INSTRUCTOR COURSE FACILITY	SM	1,115	1,683	(1,877)
ANTITERRORISM/FORCE PROTECTION	SM	1,115	18	(20)
SUPPORTING FACILITIES				394
UTILITIES	LS			(200)
PAVEMENTS	LS			(25)
SITE IMPROVEMENTS	LS			(5)
ELEVATOR	EA	1	64,000	(64)
COMMUNICATION SUPPORT	LS			(100)
SUBTOTAL				2,291
CONTINGENCY (5.0 %)				115
TOTAL CONTRACT COST				2,405
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				137
TOTAL REQUEST				2,542
TOTAL REQUEST (ROUNDED)				2,540

10. Description of Proposed Construction: Concrete foundation, standing seam metal roof, split face concrete masonry wall, utilities, fire detection/protection, site improvements, pavements, landscaping, fencing, elevator, communication support, and all other necessary support. Force protection includes structural reinforcement of exterior walls and fully tempered insulated glass windows.

Air Conditioning: 250 Tons

11. REQUIREMENT: 1,115 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct Weapons Instructor Course (WIC) Facility. (New Mission)

REQUIREMENT: The Chief of Staff of the Air Force directed Headquarters Air Combat Command to become executive agent for the development of an Air Force Special Operations Weapons Instructor Course (AFSOC) at Hurlburt Field, Florida. The purpose of this school is to integrate all existing AFSOC-type weapon systems into a cohesive, state-of-the-art system that will modernize, streamline, and standardize all weapons command and control techniques throughout the Air Force Special Operations Command. The 16th Special Operations Wing does not possess sufficient facility space to support the efficient establishment of the school, necessitating the requirement to construct a new permanent facility.

CURRENT SITUATION: The AFSOC WIC Detachment (Det 3, United States Air Force Weapons School (USAF WS)) presently has limited personnel assigned and is initiating action to conduct condensed courses in five geographically separated, inadequately sized, and inefficiently configured areas. In FY05, the unit's strength will double and have a requirement to train approximately 25 students at any one time. The 16th Special Operations Wing has indicated that they do not have sufficient facility space to support the function. Det 3, USAF WS is developing a project to lease/purchase a modular

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HURLBURT FIELD, FLORIDA	WEAPONS INSTRUCTOR COURSE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
22176	171-211	FTEV023016	2,540

complex so they can consolidate temporarily and train as many students as possible until the MILCON project described in this document is approved, and the new permanent facility has been constructed.

IMPACT IF NOT PROVIDED: The Detachment will only be able to present the Weapons Instructor Course to approximately 60% of the students that require the training. The Special Operations Command will not obtain all the properly trained, experienced weapons specialists needed to accomplish their primary mission in a timely manner. The Detachment will not be able to satisfactorily accomplish mission requirements.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Jeffrey L. Pitchford, (850) 884-7701. (Weapons Instructor Course Facility: 1,115 SM = 11,997 SF).

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HURLBURT FIELD, FLORIDA	WEAPONS INSTRUCTOR COURSE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
22176	171-211	FTEV023016	2,540

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	03-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	150
(b) All Other Design Costs	75
(c) Total	225
(d) Contract	188
(e) In-house	37
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 FEB

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

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

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
MACDILL AIR FORCE BASE FLORIDA	AIR MOBILITY COMMAND	0.89

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	328	1943	1182	0	0	0	1252	2114	806	7,625
END FY 2009	327	1938	1182	0	0	0	1338	2147	806	7,738

7. INVENTORY DATA ($000)

Total Acreage: 5,767

Inventory Total as of : (30 Sep 04)		1,287,356
Authorization Not Yet in Inventory:		76,400
Authorization Requested in this Program:		78,200
Authorization Included in the Following Program:	(FY 2007)	29,000
Planned in Next Four Years Program:		138,100
Remaining Deficiency:		130,000
Grand Total:		1,739,056

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
730-835	Security Forces Facility	2,950	SM	11,200	Design-Build	
610-284	CENTCOM Joint Intelligence Center, Ph 1	22,685	SM	67,000	Jun-04	Sep-05
			TOTAL	78,200		

9a. Future Projects: Included in the Following Program: (FY2007)

610-284	CENTCOM Joint Intelligence Center, Ph 2	22,685	SM	29,000	Jun-04	Sep-05
			TOTAL	29,000		

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

721-312	Dormitory	144	RM	12,000
730-835	Consolidated Base Support Facility	7,937	SM	13,800
214-425	Transportation & Supply Complex	9,851	SM	14,000
219-944	Base Engineering Complex	7,824	SM	13,600
112-211	Consolidated Communications Facility	4,801	SM	10,200
			TOTAL	63,600

9c. Real Property Maintenance Backlog This Installation ($M) 190

10. Mission or Major Functions: An air mobility wing with a KC-135 squadron and a command support airlift unit; tenants include US Special Operations Command and US Central Command.

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MACDILL AIR FORCE BASE, FLORIDA	SECURITY FORCES FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	730-835	NVZR033703	11,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
SECURITY FORCES FACILITY				5,875
SECURITY FORCES FACILITY	SM	2,950	1,977	(5,831)
ANTITERRORISM FORCE PROTECTION	SM	2,950	15	(44)
SUPPORTING FACILITIES				4,188
UTILITIES	LS			(1,020)
PAVEMENTS	LS			(1,020)
SITE IMPROVEMENTS	LS			(875)
COMMUNICATIONS SUPPORT	LS			(350)
PASSIVE FORCE PROTECTION MEASURES	LS			(627)
DEMOLITION	SM	1,460	203	(296)
SUBTOTAL				10,064
CONTINGENCY (5.0 %)				503
TOTAL CONTRACT COST				10,567
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				602
TOTAL REQUEST				11,169
TOTAL REQUEST (ROUNDED)				11,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(750)

10. Description of Proposed Construction: Reinforced concrete foundations and floor slab, masonry exterior walls, standing seam metal roof system, fire detection/suppression system, HVAC, emergency power, associated site utilities, parking, grading, landscaping and other required support. Includes demolition of one facility (1,460 SM = 15,709 SF). Includes antiterrorism/force protection requirements identified in DoD unified facilities criteria.

Air Conditioning: 106 Tons

11. REQUIREMENT: 2,950 SM ADEQUATE: 0 SM SUBSTANDARD: 1,980 SM

PROJECT: Construct a Security Forces facility. (Current Mission)

REQUIREMENT: A facility to consolidate and support Security Forces functions to improve the efficiency and effectiveness of their operations. Adequate storage space for War Reserve Materials, mobility equipment, weapons and ammunition, and traffic control devices. Provide water, sewer, electrical and communications service. Construct access roads, walkways, and adequate parking.

CURRENT SITUATION: Security Forces operations occupy a 47 year-old commissary building. Renovated in 1995, when the squadron's manning was approximately 130 people, it is grossly undersized for the 400+ currently assigned. Training and storage is conducted from a 52 year-old flight simulator building. The geographical separation of these buildings adversely impacts command and control and hinders communication between flight elements. Access roads, parking, water, sewer, and electrical service currently don't exist at the proposed building site.

IMPACT IF NOT PROVIDED: Security Forces command and control will continue to be

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MACDILL AIR FORCE BASE, FLORIDA	SECURITY FORCES FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	730-835	NVZR033703	11,200

fractured and unity of command endangered. Support for the combatant command commanders requires the centralized management afforded by a single facility.

ADDITIONAL: This project meets the criteria and scope specified in AFH 32-1084, "Facility Requirements". An economic analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction,leasing) was done. It indicated that new construction was the most cost effective method for meeting operational mission requirements. Cost estimate was developed using PACES and although there is no DOD Security Forces Unit Cost data available, it agrees with the Unit Cost for a Headquarters Operation's Building. Base Civil Engineer: Lt Col John Prater, (813) 828-3577. (Security Forces Facility - 2,950 SM = 31,742 SF)

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MACDILL AIR FORCE BASE, FLORIDA	SECURITY FORCES FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	730-835	NVZR033703	11,200

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 560

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 07 DEC

(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)
COMMUNICATIONS EQUIPMENT	3080	2006	500
SYSTEMS FURNITURE	3080	2006	250

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MACDILL AIR FORCE BASE, FLORIDA	CENTCOM JOINT INTELLIGENCE CENTER, PHASE 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	610-284	NVZR063713	AUTH: 96,000 APPN: 67,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
JOINT INTELLIGENCE CENTER				65,640
ADMINISTRATIVE AREAS	SM	17,699	2,024	(35,823)
INFO TECH CONTROL CENTERS	SM	1,486	3,229	(4,798)
SCIF STAGING AREAS	SM	1,115	1,778	(1,982)
TRAINING/CONFERENCE/VTC AREAS	SM	2,385	2,238	(5,338)
COMPUTER SYSTEMS INFRASTRUCTURE	LS			(3,500)
COMMUNICATIONS INFRASTRUCTURE	LS			(11,000)
ANTITERRORISM FORCE PROTECTION	SM	22,685	141	(3,199)
SUPPORTING FACILITIES				20,492
UTILITIES	LS			(5,528)
PAVEMENTS	LS			(1,658)
SITE IMPROVEMENTS	LS			(5,296)
PARKING GARAGE	SM	24,320	206	(5,010)
RELOCATION OF CE EQUIPMENT SHOP	LS			(2,000)
RELOCATION OF COALITION VILLAGE	LS			(1,000)
SUBTOTAL				86,132
CONTINGENCY (5.0 %)				4,307
TOTAL CONTRACT COST				90,438
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				5,155
TOTAL REQUEST				95,593
TOTAL REQUEST (ROUNDED)				96,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(24,000.0)

10. Description of Proposed Construction: Construct a new Sensitive Compartmented Information Facility (SCIF) Joint Intelligence Center CENTCOM (JICCENT) as part of the United States Central Command (USCENTCOM) headquarters complex. Project consists of multi-story reinforced concrete and structural steel building on concrete spread footings and pre-stressed concrete pile foundation (special foundation features); entrance canopy; hardened masonry walls and flat roof system; special fire protection systems to include pre-action, wet-pipe sprinkler, under-floor carbon dioxide fire suppression, and fire alarm systems; elevators; computer systems infrastructure such as raised flooring, uninterruptible power supply (UPS) system, and security provisions; emergency generator; site improvements; adjacent vehicle parking garage; communications infrastructure that includes a protective distribution system (PDS) between the new JICCENT and the existing headquarters; sidewalks extending to other nearby buildings in the CENTCOM headquarters area; and all other necessary utility support. Additionally, the project shall include a freight elevator with access to a loading dock. Includes Antiterrorism Force Protection requirements identified in DoD Unified Facilities Criteria. The proposed siting requires relocation of an existing Civil Engineer (CE) Equipment Shop and the Coalition Village temporary facilities.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MACDILL AIR FORCE BASE, FLORIDA	CENTCOM JOINT INTELLIGENCE CENTER, PHASE 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	610-284	NVZR063713	AUTH: 96,000 APPN: 67,000

Air Conditioning: 815 Tons

11. REQUIREMENT: 22,685 SM ADEQUATE: 0 SM SUBSTANDARD: 9,329 SM

PROJECT: Construct a new Sensitive Compartmented Information Facility (SCIF) Joint Intelligence Center CENTCOM (JICCENT) as part of the United States Central Command (USCENTCOM) headquarters complex. (Current Mission)

REQUIREMENT: USCENTCOM's Area of Responsibility (AOR) stretches from Kenya and the Seychelles in the south to Kazakhstan in the north. The CENTCOM AOR is the geographic and ideological heart of the Global War on Terror. A war without borders, it spans all twenty five countries in the CENTCOM region of the world. JICCENT's mission is to provide the USCENTCOM commander with the situational awareness and long-range analysis he needs to defeat adversaries within this AOR, promote regional stability, support allies, and protect our national interests, all aimed toward victory in the Global War on Terror. To effectively carry out this critical mission, the JICCENT requires an adequately sized, consolidated and effectively configured facility with adequate access and parking. Administrative office space is needed for approximately 1,000 personnel with rapid expansion capability to integrate another 440 reserve augmentees into the JICCENT. JICCENT will also contain appropriate support areas such as administrative offices, reception areas, file rooms, conference rooms, briefing rooms, video teleconferencing rooms, technical libraries, and administrative storage areas. JICCENT personnel will communicate via numerous US and coalition classified and unclassified local area network systems as well as secure and nonsecure telephones. Intelligence communications and telecommunication centers and all support functions (storage, automated data processing, electronics/communications maintenance, and training areas) must be in the same facility to increase productivity and efficiency of operations. Intelligence system server rooms and associated functions will be located on an upper floor to protect them from severe storms (hurricanes) and tidal surges. A parking garage is required to provide adequate parking in a constrained area for personnel working in and visiting the Joint Intelligence Center, HQ CENTCOM, and Coalition facilities.

CURRENT SITUATION: Joint Intelligence Center CENTCOM (JICCENT) is housed in undersized, add-on, and temporary facilities that have not grown in proportion to the organization's steady mission and manpower growth that followed the end of DESERT STORM. When the 11 Sep 01 attacks on America led to the command's central role in the Global War on Terrorism, JICCENT manpower rose sharply by roughly 800 personnel, an increase of 133%. Facilities, however, did not keep pace. JICCENT personnel are now wedged into an average of less than 50 square feet per person, well below all military standards for workspace. Overpopulation of buildings and work areas has rendered fire suppression, electrical power, and heating/ventilation/air-conditioning systems inadequate. Not surprisingly, documentation maintained by MacDill Air Force Base's Bioenvironmental Engineering office highlights numerous complaints from the CENTCOM workforce. JICCENT personnel are currently housed in six buildings, seven trailers, and eight storage locations. Many of these facilities are located on an active flight line hosting the 6th Air Mobility Wing's KC-135 operations. Force protection measures at distant buildings are not within DoD standards with vehicle parking as close as inches away from most facilities including those housing vital information technology on which JICCENT depends. Over one half of assigned JICCENT personnel are located over a mile away from

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MACDILL AIR FORCE BASE, FLORIDA	CENTCOM JOINT INTELLIGENCE CENTER, PHASE 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	610-284	NVZR063713	AUTH: 96,000 APPN: 67,000

the CENTCOM headquarters. Lack of sufficient parking forces these personnel to walk to coordination and planning sessions in the headquarters, introducing further delays in carrying out the JICCENT mission. The resulting separation of leadership, collection, analysis, production and support functions severely impedes collaboration on real-time intelligence issues that daily affect the nation's security and the lives of US and coalition forces.

IMPACT IF NOT PROVIDED: Severe facility shortfalls will continue to adversely impact JICCENT's ability to provide near-real-time, actionable intelligence in support of United States Central Command's leadership role in the Global War on Terrorism. Working conditions and facility limitations will continue to undermine personnel retention that has already experienced a 55% turnover in government civilian employees over the last 18 months. Critical C3I links supporting CENTCOM and Coalition efforts could fail in the event of power or HVAC system failures caused by the existing overload on these systems. Depending on the timing of such failures, JICCENT's efforts tracking and locating high-value, fast moving terrorism targets could be thwarted thereby leaving the United States or GWOT coalition members vulnerable to attacks as devastating as those of 11 Sep 01.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements. A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicated new construction was the only option that will meet operational requirements. A certificate of exemption has been prepared. This project is phase one ($67M) of a two phase project. Phase 2 ($29.0M) is in the FY07 MILCON program. Base Civil Engineer: Lt Col John Prater, (813) 828-3577. CENTCOM Joint Intelligence Center (22,685 SM = 244,179 SF).

JOINT USE CERTIFICATION: The facility is programmed for joint use with the United States Army, Navy, Air Force, and Marines.

AUTHORIZATION AND APPROPRIATION SUMMARY

	REQUESTED FY 2006
AUTHORIZATION OF THE PROJECT	96.0M
AUTHORIZATION FOR APPROPRIATION	67.0M
APPROPRIATION	67.0M

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MACDILL AIR FORCE BASE, FLORIDA	CENTCOM JOINT INTELLIGENCE CENTER, PHASE 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	610-284	NVZR063713	AUTH: 96,000 APPN: 67,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	01-JUN-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	35%
* (d) Date 35% Designed	30-SEP-04
(e) Date Design Complete	30-SEP-05
(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	1,860
(b) All Other Design Costs	1,240
(c) Total	3,100
(d) Contract	2,583
(e) In-house	517
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	08 MAR

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
SYSTEMS FURNITURE/WORKSTATIONS	3400	2007	5,000
C4I SYSTEMS	3080	2007	7,000
C4I SYSTEMS	3080	2008	7,000
SYSTEMS FURNITURE/WORKSTATIONS	3400	2008	5,000

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
TYNDALL AIR FORCE BASE FLORIDA	AIR EDUCATION AND TRAINING COMMAND	0.79

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	329	2595	403	247	0	0	278	630	202	4,684
END FY 2009	334	2594	402	240	0	0	277	637	211	4,695

7. INVENTORY DATA ($000)

a. Total Acreage:	29,102	
b. Inventory Total as of : (30 Sep 04)		1,199,744
c. Authorization Not Yet in Inventory:		72,501
d. Authorization Requested in this Program:		11,500
e. Authorization Included in the Following Program:	(FY 2007)	14,400
f. Planned in Next Four Years Program:		28,300
g. Remaining Deficiency:		23,850
h. Grand Total:		1,350,295

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-179	F/A-22 Fuels Maintenance Hangar ADD	520	SM	2,500	May-04	Sep-05
721-312	Dormitory	120	RM	9,000	Design-	Build
		Total		11,500		

9a. Future Projects:	Included in the Following Program:	(FY2007)				
740-674	Fitness Center	6,368	SM	12,600	May-05	Sep-06
171-211	F/A-22 Ops Facility Addition (Sim)	750	SM	1,800	May-05	Sep-06
		Total		14,400		

9b. Future Projects:	Typical Planned Next Four Years:			
211-157	Engine Shop	5,571	SM	11,400
851-152	Highway 98 Overpass	1,062	LM	3,300
219-944	Base Civil Engineer Complex	10,389	SM	13,600
		Total		28,300

9c. Real Property Maintenance Backlog This Installation ($M) 73

10. Mission or Major Functions: A fighter training wing with three F-15 squadrons responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, a weapons evaluation group, and Southeast Air Defense Sector; and the Air Force Civil Engineering Support Agency.

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TYNDALL AIR FORCE BASE, FLORIDA	F/A-22 FUELS MAINTENANCE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-179	XLWU053004	2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
F/A-22 FUELS MAINTENANCE HANGAR				1,527
F/A-22 FUELS MAINTENANCE HANGAR ADDITION	SM	520	2,936	(1,527)
SUPPORTING FACILITIES				710
PASSIVE FORCE PROTECTION MEASURES	SM	520	9	(5)
ENVIRONMENTAL	LS			(500)
PAVEMENTS	LS			(205)
SUBTOTAL				2,236
CONTINGENCY (5.0 %)				112
TOTAL CONTRACT COST				2,348
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				134
TOTAL REQUEST				2,482
TOTAL REQUEST (ROUNDED)				2,500

10. Description of Proposed Construction: Construct an additional bay to the existing F/A-22 fuels system maintenance hangar consisting of pre-cast concrete piers, reinforced concrete footings and slab. Exterior closure of split rib block and metal panels with a standing seam metal roof. Work to be complete with all utilities, an AFFF deluge fire suppression and collection system, and all F/A-22 security features (access controls & intrusion controls). Soil to require partial remediation due to site being adjacent to IRP site. Includes anti-terrorism/force protection requirements identified in DoD unified facilities criteria.

Air Conditioning: 0 Tons

11. REQUIREMENT: 1,040 SM ADEQUATE: 520 SM SUBSTANDARD: 0 SM

PROJECT: Construct an additional maintenance bay to the existing F/A-22 Fuels Maintenance Hangar (New Mission)

REQUIREMENT: Adequately sized, configured, and secure maintenance facility providing covered fuel systems maintenance space is required to support the beddown of the next generation, air superiority F/A-22 fighter at Tyndall AFB. The F/A-22 is designed with state of the art technology and composite materials to meet stealth mission requirements. Due to the classified mission of the F/A-22 and the quick burn rate of composite materials, the maintenance facility must have a controlled environment, fire protection, and security provisions.

CURRENT SITUATION: One fuels maintenance bay currently exists to support the initial beddown of the F/A-22 aircraft at Tyndall. An additional bay is required and authorized to support the total F/A-22 aircraft currently assigned. The F-15 training mission will continue but slowly decline after the delivery of additional F/A-22 aircraft. Since the F-15 mission will operate concurrent with the F/A-22 mission, all existing aircraft maintenance units and hangar spaces will be required for the F-15 mission. In addition, the classified mission of the F/A-22 dictates that facilities cannot be shared. Presently, there are no facilities on base that can be converted for F/A-22 maintenance and flying operations.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TYNDALL AIR FORCE BASE, FLORIDA	F/A-22 FUELS MAINTENANCE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-179	XLWU053004	2,500

IMPACT IF NOT PROVIDED: If this additional construction is not approved a major aircraft maintenance backlog will be created which will have a negative impact on the flying mission. Both the F-15 and F/A-22 pilot training programs will lag behind established training goals, and the Air Force will lose the ability to maintain both weapon systems.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project (status quo, add to and alter, and new construction) 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 being prepared. F/A -22 Fuels Maintenance Hangar Addition: 520 SM = 5,596 SF. Base Civil Engineer: Lt Col Curt A. Van De Walle, (850) 283-3283.

BASE CIVIL ENGINEER: Garner

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TYNDALL AIR FORCE BASE, FLORIDA	F/A-22 FUELS MAINTENANCE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-179	XLWU053004	2,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	30-SEP-04
(e) Date Design Complete	30-SEP-05
(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	150
(b) All Other Design Costs	75
(c) Total	225
(d) Contract	222
(e) In-house	4
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 MAR
(6) Construction Completion	07 MAR

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

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TYNDALL AIR FORCE BASE, FLORIDA	DORMITORY (120 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	XLWU013003	9,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
DORMITORY				6,648
DORMITORY (120 RM)	SM	4,752	1,385	(6,582)
ANTITERRORISM FORCE PROTECTION	SM	4,752	14	(67)
SUPPORTING FACILITIES				1,450
UTILITIES	LS			(490)
PAVEMENTS	LS			(450)
SITE IMPROVEMENTS	LS			(360)
COMMUNICATIONS	LS			(150)
SUBTOTAL				8,098
CONTINGENCY (5.0 %)				405
TOTAL CONTRACT COST				8,503
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				485
TOTAL REQUEST				8,988
TOTAL REQUEST (ROUNDED)				9,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(611)

10. Description of Proposed Construction: Construct multi-story dormitory with concrete foundation and floor slab, structural steel framing, masonry walls and standing seam metal roof. Include room-bath/kitchen-room modules, day rooms, linen storage, mechanical equipment and communications rooms, fire protection, utilities, parking, walkways, and other necessary support. Includes antiterrorism / force protection requirements identified in DoD unified facilities criteria.
Air Conditioning: 130 Tons Grade Mix: E1-E4 120

11. REQUIREMENT: 675 PN ADEQUATE: 448 PN SUBSTANDARD: 0 PN

PROJECT: Construct a permanent party 120 person dormitory. (Current Mission)

REQUIREMENT: The Air Force relies on highly trainined, motivated unaccompanied enlisted men and women to support increasingly technical air and space missions. 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 degreee 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. This project is in accordance with the Air Force Dormitory Master Plan.

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

IMPACT IF NOT PROVIDED: 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.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TYNDALL AIR FORCE BASE, FLORIDA	DORMITORY (120 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	XLWU013003	9,000

ADDITIONAL: This project meets the scope/criteria specified in the new uniform dormitory construction standard known as "Dorms-4-Airmen" established by the Air Force. 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. A Certificate of Exception has been prepared. Unaccompanied Housing RPM Conducted: FY03 - $0 (Act); FY04 - $0 (Act); FY05 - $0K (Est); FY06 - $0K (Est); and, FY07 - $0 (Est). Base Civil Engineer: Lt Col Curt Van De Walle, (850) 283-3283; Dormitory: 4,572SM = 49,194 SF.

BASE CIVIL ENGINEER: Garner

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TYNDALL AIR FORCE BASE, FLORIDA	DORMITORY (120 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-312	XLWU013003	9,000

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 450

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 07 JUN

(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)
FURNITURE	3400	2007	611

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
ROBINS AIR FORCE BASE GEORGIA	AIR FORCE MATERIEL COMMAND:	0.83

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 04	1608	7058	14952		13		2	2	78	23,713
END FY 2009	1566	6978	14853		13		2	2	78	23,492

7. INVENTORY DATA ($000)

Total Acreage: 8,722

Inventory Total as of : (30 Sep 04)		1,914,573
Authorization Not Yet in Inventory:		79,226
Authorization Requested in this Program:		2,000
Authorization Included in the Following Program:	(FY 2007)	60,100
Planned in Next Four Years Program:		186,400
Remaining Deficiency:		227,594
Grand Total:		2,469,893

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
136-661	Approach Lighting System	1	LS	2,000	Design	Build
		Total		2,000		

9a. Future Projects:	Included in the Following Program:	(FY2007)				
141-764	Software Support Facility	7,432	SM	21,500	Design	Build
211-116	Depot Maint Support Hangar	4,173	SM	8,600	Design	Build
211-152	Advanced Metal Finishing Fac	11,613	SM	30,000	Design	Build
		Total		60,100		

9b. Future Projects:	Typical Planned Next Four Years:			
211-111	DMRT - Large Aircraft Hangar, Phase I	12,540	SM	25,000
211-152	Aircraft Component Repair Facility	6,690	SM	20,000
211-152	Life Support Facility	3,550	SM	6,600
217-742	51st Combat Communications Squ Ops	2,700	SM	5,600
217-742	54th Combat Communications Squ Ops	2,700	SM	7,900
211-159	DMRT - Corrosion Control Facility	10,314	SM	30,000
218-712	Ground Support Equipment Maintenance Facility	4,924	SM	10,200
610-675	Renovate/Upgrade Building 300, Phase I	14,865	SM	18,700
610-675	Renovate/Upgrade Building 300, Phase II	7,500	SM	9,800
610-675	Consolidate Logistics Facility Depot Operations	6,505	SM	13,600
610-675	Renovate/Upgrade Building 300, Phase III	14,865	SM	19,500
721-315	Visiting Quarters	4,600	SM	8,300
730-835	Security Forces Facility	3,763	SM	7,200
831-145	Upgrade Domestic/Industrial Sewage	1	LS	4,000

9c. Real Propery Maintenance Backlog This Installation 95

10. Mission or Major Functions: Warner Robins Air Logistics Center which is responsible for logistics management, support and depot-level maintenance of systems including F-15, C-130, C-5, C-141, and U-2 aircraft, helicopters, missiles and remotely piloted vehicles; an air base wing; an air control wing; HQ Air Force Reserve Command; an Air Mobility Command air refueling group with KC-135 aircraft; an ACC combat communications group; a special operations flight with EC-137D aircraft; an Air National Guard bomb wing with B-1B aircraft; and an Air Force recruiting group.

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE GEORGIA	4. COMMAND: AIR FORCE MATERIEL COMMAND:	5. AREA CONST COST INDEX 0.83

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ROBINS AIR FORCE BASE, GEORGIA	APPROACH LIGHTING SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	136-661	UHHZ860033	2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
APPROACH LIGHTING SYSTEM				846
HIGH INTENSITY APPROACH LIGHTING SYSTEM	LM	3,000	250	(750)
FRANGIBLE TOWER PLATFORMS	EA	12	8,000	(96)
SUPPORTING FACILITIES				965
UTILITIES	LS			(700)
SITE IMPROVEMENTS	LS			(160)
ACCESS ROAD	SM	1,672	30	(50)
FENCE	LM	1,112	49	(54)
SUBTOTAL				1,811
CONTINGENCY (5.0 %)				91
TOTAL CONTRACT COST				1,901
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				108
TOTAL REQUEST				2,010
TOTAL REQUEST (ROUNDED)				2,000

10. Description of Proposed Construction: Light bars encased in concrete and light bars mounted on platforms in columns set in concrete pads to include electrical conduit, wiring and control circuits. Project will require an access road for maintenance and fencing for security.

11. REQUIREMENT: 6,000 LM ADEQUATE: 3,000 LM SUBSTANDARD: 0 LM

PROJECT: Provide an approach lighting system. (Current Mission)

REQUIREMENT: An approach lighting system is required in support of the Solid State Instrument Landing System (SSILS) in use for Runway 15. It is essential that continuty of flying operations be provided in all but the worst weather during emergency and contingency situations. Moreover, an approach lighting system provides needed visual cues to the pilot during transition from flying under instrument conditions to visual conditions thereby adding to the safety of operations.

CURRENT SITUATION: There is no approach lighting system for Runway 15; this results in less than optimum landing conditions during darkness and inclement weather. This deficiency does not allow for maximum landing capability and safety of aircraft operations at this major air logistics center. Total aircraft operations are approximately 45,000 per year and approximately 23,000 are instrument flight rules (IFR) arrivals and departures. Approximately 9,000 aircraft operations are conducted annually to Runway 15.

IMPACT IF NOT PROVIDED: Safety and continuity of operations under night and instrument weather conditions will continue to be adversely affected. If this needed capability is not provided, sustained use of the base, where cargo handling and expeditious turn-around of aircraft is essential to the worldwide logistical mission, will continue to be impaired. The situation could become critical under surge or contingency conditions. Aircraft and aircrews will be subjected to safety hazards due to lack of visual cues

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ROBINS AIR FORCE BASE, GEORGIA	APPROACH LIGHTING SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	136-661	UHHZ860033	2,000

during night and low visibility weather conditions possibly affecting the base worldwide logistics mission.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therfore, no economic analysis was needed or performed. Base Civil Engineer: Col Linden J. Torchia, (478) 926-3093.

JOINT USE CERTIFICATION: This is an installation utility/infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ROBINS AIR FORCE BASE, GEORGIA	APPROACH LIGHTING SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	136-661	UHHZ860033	2,000

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 100

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 07 JAN

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

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

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
HICKAM AIR FORCE BASE HAWAII	PACIFIC AIR FORCES	1.66

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	1,236	5,196	2,603	0	0	0	47	206	1,315	10,603
END FY 2009	1,272	5,340	2,577	0	0	0	47	206	1,315	10,757

7. INVENTORY DATA ($000)

Total Acreage:	3,002	
Inventory Total as of : (30 Sep 04)		4,722,030
Authorization Not Yet in Inventory:		79,650
Authorization Requested in this Program:		5,678
Authorization Included in the Following Program:	(FY 2007)	28,388
Planned in Next Three Years Program:		153,969
Remaining Deficiency:		432,150
Grand Total:		5,421,865

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
141-753	DCGS Construct Intel Squad Ops Facility	1,765 SM	5,678	May-04	Sep-05
		Total	5,678		

9a. Future Projects: Included in the Following Program: (FY2007)

211-179	C-17 Fuel Cell Hangar/Nose Dock	2,850 SM	24,000	May-05	Sep-06
851-147	C-17 Road Restoration	39,200 SM	4,388	May-05	Sep-06
		Total	28,388		

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

812-225	Upgrade Electrical Distribution Sys, Ph 3	1 LS	7,700
179-475	Joint Regional CATM	2,572 SM	7,700
130-142	Main & Satellite Fire/Crash Rescue Sta	4,415 SM	15,900
740-674	ADAL Physical Fitness Center	8,322 SM	15,500
730-441	Construct Education Center/Library	3,733 SM	14,000
737-884	Child Development Center	3,252 SM	9,000
141-181	Homeland Defense Fighter Alert Hangar	1 LS	20,000
113-321	Repair Airfield Pavement, Ph 3	125,354 SM	22,000
141-786	Mobility Complex	2,020 SM	7,400
832-266	Repair Sanitary Sewer Line	1,417 SM	3,019
842-245	Repair Water Distribution Lines	5,500 SM	5,700
113-321	Realign/Expand Airlift Parking Ramp, Ph 1	41,000 SM	13,000
134-336	Construct Ground Control Tower	540 SM	4,950
442-768	Renovate Hangars 2 & 4 (2060)	10,098 SM	8,100
		Total	153,969

9c. Real Property Maintenance Backlog This Installation 170

10. Mission or Major Functions: The host airlift wing supports C-37/40 aircraft and hosts Headquarters, Pacific Air Forces. The installation also hosts an Air National Guard wing consisting of an F-15A/B squadron, an air refueling squadron (KC-135), and an airlift squadron (C-130H). Other major activities include an Air Intelligence Agency intelligence group and an Air Mobility Support Group. The base has been identified for beddown of C-17 aircraft.

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HICKAM AIR FORCE BASE, HAWAII	DCGS CONSTRUCT INTEL SQUAD OPS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35208	141-753	KNMD073000	5,678

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
DCGS INTEL SQUAD OPS FACILITY				4,264
INTEL SQUADRON OPERATIONS FACILITY	SM	1,765	2,400	(4,236)
ANTITERRORISM/FORCE PROTECTION	SM	1,765	16	(28)
SUPPORTING FACILITIES				783
UTILITIES	LS			(500)
HAZARDOUS MATERIAL ABATEMENT	LS			(200)
DEMOLITION	SM	221	194	(43)
COMMUNICATIONS	LS			(40)
SUBTOTAL				5,047
CONTINGENCY (5.0 %)				252
TOTAL CONTRACT COST				5,299
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				344
TOTAL REQUEST				5,644
TOTAL REQUEST (ROUNDED)				5,678
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(525.0)

10. Description of Proposed Construction: Construct multi-story, Secure Compartmented Information Facility (SCIF), floor slabs, structural frame, insulated metal walls, and utilities. Includes briefing/debriefing, command section, conference room, staff offices, standardization and evaluation, training rooms, systems maintenance area, scheduling/operations, communications support, mechanical areas, raised flooring, fire detection/suppression, all necessary anti-terrorism/force protection (AT/FP) requirements, demolition, and hazardous material abatement.

Air Conditioning: 90 Tons

11. REQUIREMENT: 1,765 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct Intel Squad Ops facility. (New Mission)

REQUIREMENT: Provide space to support ANQ-272 Sentinel Weapon System's Pacific node, Distributed Ground System-5 (DGS-5). Secure facility to accommodate 8th Intelligence Squadron (8 IS) / DGS-5 mission support equipment and personnel. Also support for AFI-directed intel operations, mission planning, briefings/debriefings, various electronic intelligence/communications systems, intelligence reference library, general classified storage, and equipment storage area.

CURRENT SITUATION: Current SCIF located in existing hangar is not adequate to house new mission 8 IS / DGS-5 mission support equipment and personnel. The number of systems and personnel are increasing significantly (to approx 138 military and support personnel) starting in July 2004. Current space in existing hangar will continue to house the operations floor for DGS-5 that will see a 500% systems growth. Unit growth results in requirement to construct a new facility.

IMPACT IF NOT PROVIDED: DGS-5 is the primary intelligence exploitation node for PACAF

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HICKAM AIR FORCE BASE, HAWAII	DCGS CONSTRUCT INTEL SQUAD OPS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35208	141-753	KNMD073000	5,678

Global Hawk operations. DGS-5 exploitation of Global Hawk, Predator and U-2 is accomplished in direct support the PACAF Air Operations Center and US Pacific Command (PACOM). Unit is funded for an additional 101 billets. If not provided, unit will be unable to execute National Command Authority-directed sensitive recon operations in support of USPACOM in accordance with AF Instructions and crew procedures. Mission capability will be degraded for PACAF's primary engine for providing horizontally-integrated information superiority to the Joint Warfighting construct within the Pacific.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Colonel Andrew Q. Knapp. (808) 449-1660. (Intel Squad Ops: 1,765 SM = 19,000 SF).

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HICKAM AIR FORCE BASE, HAWAII	DCGS CONSTRUCT INTEL SQUAD OPS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35208	141-753	KNMD073000	5,678

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	340
(b) All Other Design Costs	170
(c) Total	510
(d) Contract	420
(e) In-house	90
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	06 DEC

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATION EQUIPMENT	3400	2006	225
FURNISHINGS	3400	2006	300

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
MOUNTAIN HOME AIR FORCE BASE, IDAHO	AIR COMBAT COMMAND	1.11

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	451	4177	1068	0	42	0	0	1	67	5,806
END FY 2009	445	4121	673	0	42	0	0	1	67	5,349

7. INVENTORY DATA ($000)

a. Total Acreage:	10,050	
b. Inventory Total as of : (30 Sep 04)		1,935,638
c. Authorization Not Yet in Inventory:		15,137
d. Authorization Requested in this Program:		9,835
e. Authorization Included in the Following Program: (FY 2007)		0
f. Planned in Next Four Years Program:		47,200
g. Remaining Deficiency:		62,300
h. Grand Total:		2,070,110

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
141-453	Base Operations/RAPCON Facility	1,764 SM	9,835	May-04	Sep-05
		Total	9,835		

9a. Future Projects: Included in the Following Program: (FY2007)

None

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

442-758	Logistics Readiness Center	8,100 SM	13,800
724-417	Visiting Quarters	4,000 SM	15,500
722-351	Airmen Dining Facility	1,712 SM	8,500
610-243	Operations Group Complex	3,252 SM	9,400
		Total	47,200

9c. Real Property Maintenance Backlog This Installation: ($M) 48

10. Mission or Major Functions: A composite wing with one F-16 squadron; one F-15 C/D squadron, one F-15E squadron, and the AEF Battlelab.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MOUNTAIN HOME AIR FORCE BASE, IDAHO	BASE OPERATIONS/RAPCON FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-453	QYZH983006R2	9,835

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
BASE OPERATIONS/RAPCON FACILITY				6,692
BASE OPERATIONS/WEATHER	SM	1,114	2,592	(2,887)
RAPCON	SM	650	5,799	(3,769)
ANTITERRORISM FORCE PROTECTION	SM	1,764	20	(35)
SUPPORTING FACILITIES				2,255
UTILITIES	LS			(450)
PAVEMENTS	LS			(350)
SITE IMPROVEMENTS	SM	12,542	12	(151)
DEMOLITION	SM	1,968	188	(370)
AIRFIELD LIGHTING VAULT	LS			(750)
COMMUNICATIONS SUPPORT	LS			(185)
SUBTOTAL				8,947
CONTINGENCY (5.0 %)				447
TOTAL CONTRACT COST				9,395
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				535
TOTAL REQUEST				9,930
TOTAL REQUEST (ROUNDED)				9,835
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,175.0)

10. Description of Proposed Construction: Concrete foundation, floor slab, masonry walls, standing seam metal roof, fire detection/suppression, utilities, parking, access road, landscaping, site improvements, demolish three facilities (1,968 SM), relocate the airfield lighting vault that is in the way of construction, communication support, and all other necessary support. Includes minimum DoD force protection standards.

Air Conditioning: 100 Tons

11. REQUIREMENT: 1,764 SM ADEQUATE: 0 SM SUBSTANDARD: 1,366 SM

PROJECT: Construct a Base Operations/RAPCON Facility. (Current Mission)

REQUIREMENT: An adequate facility to house critical airfield operations, weather functions, passenger processing area, and the radar approach control (RAPCON). Functional facility requirements include weather forecasting, flight planning, flight crew pre-flight preparation and control of aircraft in the military air space. Force protection will comply with minimum DoD standards.

CURRENT SITUATION: The base operations facility is located in a deteriorated wooden framed 1955 building with mechanical and electrical component deficiencies. The configuration of the existing facility restricts the facility occupants and customer abilities to meet modern mission needs. The substandard facility provides no room to segregate processed passengers or to isolate baggage. Space and functional limitations negatively impact administrative and training activities and restrict managerial span of control. The RAPCON is remotely located from base operations, which hampers their activities and abilities to interact with flight crews and base operations personnel.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MOUNTAIN HOME AIR FORCE BASE, IDAHO	BASE OPERATIONS/RAPCON FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-453	QYZH983006R2	9,835

The new facility consolidates functions providing "one stop" access to personnel controlling transiting aircraft by collocating approach radar control, airfield operations and weather data collection in a single facility. The current airfield lighting vault is in the way of construction of the new base operations facility and must be relocated as this is the only practical site for this new facility.

IMPACT IF NOT PROVIDED: Continuous degradation and ability to effectively and efficiently meet mission requirements. Poor passenger processing, compromising security and safety of operational missions, inadequate training of air traffic control personnel and ineffective administrative management will continue to hamper the operations community at this base.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt. Col. R. Scott Jarvis (208) 828-6353. (Base Operations: 1,114 SM = 11,987 SF; RAPCON: 650 SM = 6,994 SF)

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MOUNTAIN HOME AIR FORCE BASE, IDAHO	BASE OPERATIONS/RAPCON FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-453	QYZH983006R2	9,835

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	17-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	590
(b) All Other Design Costs	295
(c) Total	885
(d) Contract	740
(e) In-house	145

(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 JUN

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
SCNC	3080	2005	1,175

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
HANSCOM AIR FORCE BASE MASSACHUSETTS	AIR FORCE MATERIEL COMMAND:	1.16

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	844	606	3610				388	823	81	6,352
END FY 2009	833	614	3572				388	823	81	6,311

7. INVENTORY DATA ($000)

Total Acreage:	1,005	
Inventory Total as of : (30 Sep 04)		699,054
Authorization Not Yet in Inventory:		28,994
Authorization Requested in this Program:		10,000
Authorization Included in the Following Program:	(FY 2007)	0
Planned in Next Four Years Program:		50,800
Remaining Deficiency:		0
Grand Total:		788,848

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
871-187	Erosion Control Stabilization Systems	1	LS	10,000	Design	Build
		Total		10,000		

9a. Future Projects: Included in the Following Program: (FY2007)
None

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

219-943	BCE Heavy Repair & Grounds Fac	2,210	SM	3,900
310-919	Renovate Laboratory Facility B1105A	4,345	SM	7,600
317-315	Renovate Acquisition Mgt Fac B1102C	5,900	SM	12,400
317-315	Renovate Acquisition Mgt Fac B1600	5,623	SM	12,000
610-281	Construct ESC Headquarters Building	4,200	SM	8,900
724-417	Construct VOQ Lodging Facility	2,800	SM	6,000

9c. Real Propery Maintenance Backlog This Installation

10. Mission or Major Functions: The Electronic Systems Center provides the latest in command and control and information systems for various weapons platforms including the E-3 AWACS and E-8 Joint STARS; an Air Force Research Laboratory research site location for the space vehicles directorate; an air base wing; a recruiting group; and an aerial port squadron.

11. Outstanding pollution and Safety (OSHA Deficiencies:

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FOURTH CLIFF RECREATION ANNEX, MASSACHUSETTS	EROSION CONTROL STABILIZATION SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	871-187	GXVN013001	10,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
EROSION CONTROL STABILIZATION SYSTEM				7,606
COASTAL BANK STABILIZATION (ROCK)	SM	6,457	856	(5,527)
COASTAL BANK STABILIZATION (VEGETATIVE)	SM	3,763	254	(956)
COASTAL BANK DRAINAGE	LM	396	966	(383)
COSTAL BANK BERM	LM	386	1,918	(740)
SUPPORTING FACILITIES				1,400
SITE IMPROVEMENTS	LS			(1,400)
SUBTOTAL				9,006
CONTINGENCY (5.0 %)				450
TOTAL CONTRACT COST				9,456
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				539
TOTAL REQUEST				9,995
TOTAL REQUEST (ROUNDED)				10,000

10. Description of Proposed Construction: Provide 132 linear meters of coastal bank stabilization measures to include slope reduction, improved drainage consisting of a swale at the top of the coastal bank, a stone rip rap revetment consisting of a layer of bedding stone (6"-18") with an outer layer of large angular durable stones (3'-4') and a vegetative cover designed to withstand a 100 year storm event.

11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS

PROJECT: Provide Erosion Control Stabilization System. (Current Mission)

REQUIREMENT: Erosion control protection at the Fourth Cliff Recreation area is required to stabilize and prevent further erosion to the coastal banks and reduce or eliminate the threat to historic structures and wildlife habitats. This project is necessary to preserve existing Air Force property and three State registered historic structures from destruction as required by the National Historic Preservation Act of 1966, the Costal Zone Management Act of 1972, and the Massachusetts Coastal Zone Management (CZM) Program. Failure to preserve the site will place the AF in violation and should the structures collapse, the associated cleanup costs are projected at three times that of current MILCON proposal.

CURRENT SITUATION: Fourth Cliff is situated on top of a deposit of glacial till known as a drumlin. The coastal banks located on the east and north sides are experiencing severe erosion which threatens property and infrastructure. Since 1958, approximately 40 feet of coastal bank material was lost due to erosion and storm events. These figures indicate the top of the bank retreats approximately one foot per year. The rate of erosion is damaging the existing roadway, parking area, camping area, picnic area, beach stairway and fencing. It also represents a serious threat to the stability of the historic bunker located on the property. Hanscom AFB contracted a 2001 study to investigate the impact of erosion at Fourth Cliff as a source of beach nourishment material for residential property at Humarock Beach located south of the Air Force site. The results of the 2001 USAF Erosion Study illustrated that the bank erosion is

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FOURTH CLIFF RECREATION ANNEX, MASSACHUSETTS	EROSION CONTROL STABILIZATION SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	871-187	GXVN013001	10,000

transported primarily to the North and Northwest. This confirms that Fourth Cliff is not a significant source of nourishment to the southern beaches, but that it is contributing to the decrease in depth of the North and South river outlets, the main waterways for the town of Scituate.

IMPACT IF NOT PROVIDED: If not provided, the bank will continue to erode with accelerated loss in significant storm years. The foundations of the defense bunker, other buildings and infrastructure will be compromised and will collapse. Adverse effects will be felt by the town of Scituate in their dredging plans to redistribute North River bed material along the coastline for the preservation of their beach, in addition to allowing commercial and recreational vessels access to the ocean.

ADDITIONAL: There is no 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: Mr. Chris Perkins (781) 377-4352. Stablization (Rock): 6,457 SM = 7,723 SY; Stablization (Vegetative): 3,763 SM = 4,501 SY; Drainage: 396 LM = 1,299 LF; Berm: 396 LM = 1,299 LF.

JOINT USE CERTIFICATION: This is an installation utility/infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FOURTH CLIFF RECREATION ANNEX, MASSACHUSETTS	EROSION CONTROL STABILIZATION SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	871-187	GXVN013001	10,000

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 500

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 MAR

(6) Construction Completion 07 JAN

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

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

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
KEESLER AIR FORCE BASE MISSISSIPPI	AIR EDUCATION AND TRAINING COMMAND	0.9

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 Sep 2004	793	2884	1444	8	4435	0	32	164	380	10,140
END FY 2009	778	2456	1442	8	4435	0	30	163	381	9,693

7. INVENTORY DATA ($000)

a. Total Acreage:	3,554	
b. Inventory Total as of : 30 Sep 04		1,764,963
c. Authorization Not Yet in Inventory:		85,823
d. Authorization Requested in this Program:		47,500
e. Authorization Included in the Following Program:	(FY 2007)	0
f. Planned in Next Four Years Program:		72,800
g. Remaining Deficiency:		26,000
h. Grand Total:		1,997,086

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
171-623	Technical Training Facility	6,387 SM	17,400	Design-Build	
721-313	Student Dormitory	300 RM	30,100	Design-Build	
		Total	47,500		

9a. Future Projects: Included in the Following Program: (FY2007)

None

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

721-312	Dormitory	200 RM	20,000
740-674	Fitness Center	6,500 SM	13,800
171-623	Technical Training Facility, Ph4	13,150 SM	28,000
731-142	Fire Crash Rescue Station	3,620 SM	11,000
		Total	72,800

9c. Real Property Maintenance Backlog This Installation ($M) 77

10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communications, electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KEESLER AIR FORCE BASE, MISSISSIPPI	TECHNICAL TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	171-623	MAHG053003	17,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
TECHNICAL TRAINING FACILITY				10,843
TECHNICAL TRAINING FACILITY	SM	6,387	1,662	(10,615)
ANTITERRORISM FORCE PROTECTION	SM	6,387	36	(228)
SUPPORTING FACILITIES				4,833
UTILITIES	LS			(2,927)
PAVEMENTS	LS			(582)
SITE IMPROVEMENTS	LS			(169)
COMMUNICATION SUPPORT	LS			(290)
RADAR RELOCATION	LS			(865)
SUBTOTAL				15,676
CONTINGENCY (5.0 %)				784
TOTAL CONTRACT COST				16,460
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				938
TOTAL REQUEST				17,398
TOTAL REQUEST (ROUNDED)				17,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2,006)

10. Description of Proposed Construction: Concrete pile foundations, steel frame two story construction with masonry back-up, brick exterior, metal roofing system, fire protection systems, and all supporting utilities and force protection measures. High bay will have a 28 foot floor to ceiling height. Project includes a chiller plant, chiller water service piping, the removal of existing airfield pavement, relocation of GPN-20 Radars, and antiterrorism/force protection requirements identified in DoD unified facilities criteria.

Air Conditioning: 500 Tons

11. REQUIREMENT: 129,095 SM ADEQUATE: 82,334 SM SUBSTANDARD: 20,329 SM

PROJECT: Construct technical training facility. (Current Mission)

REQUIREMENT: An energy efficient facility with laboratory, high bay and classroom training areas which can be configured to meet varied and changing training requirements to support technical training in fields to include radar and satellite systems, guidance and control, and combat controllers. Facility will be used to train 150 students a day. The supporting facilities are higher than normal due to the utilities for the central chiller plant and radar relocation costs. The initial central chiller capacity was constructed in the FY02 Technical Training Facility. This project constructs an addition to the central chiller plant addition capacity required to support this facility. Three GPN-22 radars supporting the training requirements in the Cody Training Facility are in the footprint of construction and must be relocated. Force protection measures will be incorporated in accordance with DoD unified facilities criteria.

CURRENT SITUATION: Over 29,500 students train at Keesler AFB facilities annually. Building 4203 (Hangar 3), the facility currently used for high bay and associated

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KEESLER AIR FORCE BASE, MISSISSIPPI	TECHNICAL TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	171-623	MAHG053003	17,400

classroom training, was built in 1941 and has not undergone any modernization program or reconfiguration suitable for current training programs. The existing classrooms and admin space open directly into the high bay area where aircraft and radar maintenance training are conducted. This causes high noise levels in the classrooms and violates Life Safety Code criteria for noise and fire protection. The current facility's mechanical systems are inefficient, unreliable, costly to maintain and cannot provide adequate climate control. During the summer, classrooms become extremely cold while others are extremely warm. In order to continue training in these cold areas, students and staff are forced to wear coats and gloves. This condition makes it very difficult to work on laboratory equipment, simulators and on computer keyboards. Interior finishes and fixtures are worn and outdated, reducing the quality of the training environment and the students' quality of life. Asbestos and lead paint materials located throughout the facility are deteriorating causing increased maintenance costs and health concerns. The construction of this facility will consolidate training currently located in Hangar 3 and a former dining hall. Combat Controllers were forced to relocate into the former dining hall to accommodate a current MILCON project.

IMPACT IF NOT PROVIDED: Student and faculty will continue to train in substandard classrooms and laboratories. Obsolete mechanical systems will continue to waste energy. The existing facility will not adequately meet the requirements of the training squadrons. Keesler AFB will not be able to conduct technical training on systems being developed for the current century. Furthermore, consolidation of existing training will not be realized if this facility is not constructed.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements". An Economic Analysis has been prepared comparing alternatives of new construction, revitalization, leasing and status quo. New construction was found to be the most cost efficient over the life of the project. Lt Col David L. Yang, (228) 377-2615, Technical Training Facility, 6,387 SM = 68,750 SF

BASE CIVIL ENGINEER: Yang

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KEESLER AIR FORCE BASE, MISSISSIPPI	TECHNICAL TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	171-623	MAHG053003	17,400

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 840

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 08 FEB

(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)
PREWIRED WORKSTATION	3400	2007	412
COMMUNICATIONS EQUIPMENT	3400	2007	575
TRAINER RELOCATION	3400	2007	675
MOVING EXPENSE	3400	2007	210
SUPPLIES AND EQUIPMENT	3400	2007	134

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-313	MAHG023003B	30,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
STUDENT DORMITORY				21,383
STUDENT DORMITORY (300 RM)	SM	15,112	1,400	(21,157)
ANTITERRORISM FORCE PROTECTION	SM	15,112	15	(227)
SUPPORTING FACILITIES				5,742
UTILITIES	LS			(1,350)
PAVEMENTS	LS			(1,430)
SITE IMPROVEMENTS	LS			(1,250)
COMMUNICATIONS	LS			(230)
ASBESTOS/LEAD ABATEMENT	LS			(450)
FACILITY DEMOLITION	SM	15,883	65	(1,032)
SUBTOTAL				27,126
CONTINGENCY (5.0 %)				1,356
TOTAL CONTRACT COST				28,482
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,623
TOTAL REQUEST				30,106
TOTAL REQUEST (ROUNDED)				30,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,900)

10. Description of Proposed Construction: Multi-story, CMU block, pile concrete foundation, floor slab, and metal roof building. Project includes room-bath modules (2 students per room), laundries, training manager's office, fire protection, sitework, parking, walkways, and communications support. Includes antiterrorism / force protection requirements identified in DoD Unified Facilities Criteria. Demolishes one existing dorm (11,277 SM) and DRMO complex. Includes asbestos and lead abatement.

Air Conditioning: 450 Tons Grade Mix: E1-E4 600

11. REQUIREMENT: 2,134 RM ADEQUATE: 1,598 RM SUBSTANDARD: 536 RM

PROJECT: Construct a 300-room, 600-person multi-story student dormitory. (Current Mission)

REQUIREMENT: Properly sized and configured dormitories are required to support training of students. 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. This project is in accordance with the Air Force Dormitory Master Plan.

CURRENT SITUATION: The Base has inadequate on-base housing to accommodate the unaccompanied enlisted students. The existing facility does not meet current dormitory space and configuration standards in accordance with Air Force dormitory design criteria. The dormitory rooms are too small and maintenance costs are increasing. The

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-313	MAHG023003B	30,100

facility is located within the end-of-runway clear zone jeopardizing the safety of both dormitory residents and airfield traffic.

IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and overall training effectiveness of these students.

ADDITIONAL: This project will be designed to Air Force technical training "pipeline" construction standards. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) indicates only new construction will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exemption has been prepared. The DRMO function will transition off Keesler AFB. Unaccompanied Housing RPM conducted: FY03 - $1,196K (Act); FY04 - $1,265K (Act); FY05 - $1,255K (Est); FY06 - $1,415K (Est); FY07 - $1,655K (Est). Base Civil Engineer: Lt Col David Yang, (228) 377-2615. Student Dormitory: 15,112 SM = 162,700 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

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

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-313	MAHG023003B	30,100

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 1,505

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 08 FEB

(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)
DORMITORY FURNISHINGS	3400	2007	1,900

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
OFFUTT AIR FORCE BASE, NEBRASKA	AIR COMBAT COMMAND	0.99

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	1838	5627	4038	81	101	68	427	208	453	12,841
END FY 2009	1815	5467	3347	81	101	68	427	208	453	11,967

7. INVENTORY DATA ($000)

a. Total Acreage:	3,999	
b. Inventory Total as of : (30 Sep 04)		1,941,190
c. Authorization Not Yet in Inventory:		13,400
d. Authorization Requested in this Program:		50,280
e. Authorization Included in the Following Program: (FY 2007)		0
f. Planned in Next Four Years Program:		65,100
g. Remaining Deficiency:		75,600
h. Grand Total:		2,145,570

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
111-111	Repair Runway	142,170 SM	19,870	May-04	Sep-05
141-649	AF Weather Agency Headquarters	18,800 SM	30,410	May-04	Sep-05
		Total	50,280		

9a. Future Projects: Included in the Following Program: (FY2007)

None

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

737-884	Child Development Center	2,800 SM	10,500
730-441	Consolidated Training Complex	5,940 SM	16,200
721-312	Replace Dormitory (168 PN)	5,544 SM	13,400
211-179	E-4B Fuel Cell Maint Dock	10,500 SM	25,000
		Total	65,100

9c. Real Property Maintenance Backlog This Installation: ($M) 73

10. Mission or Major Functions: A flying wing which consists of two RC-135/OC-135/WC-135 reconnaissance squadrons, an E-4 airborne command and control squadron, two intelligence squadrons; a space operations squadron; the Air Force Weather Agency; and the US Strategic Command.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

a. Air pollution

b. Water Pollution

c. Occupational Safety and Health

d. Other Environmental

DD Form 1390, 9 Jul 02

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OFFUTT AIR FORCE BASE, NEBRASKA	REPAIR RUNWAY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	111-111	SGBP050016	19,870

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
REPAIR RUNWAY				10,223
REINFORCED CONCRETE (21")	SM	101,970	92	(9,381)
ASPHALT CONCRETE (2")	SM	19,200	10	(192)
JOINTS AND MARKINGS	LS			(650)
SUPPORTING FACILITIES				7,705
INSTALL APPROACH BARS	LS			(711)
WIDEN TAXIWAY SHOULDERS (9")	SM	21,000	12	(249)
REPAIR RECESSED LIGHT BARS	LS			(318)
TEMPORARY FACILITIES AND REPAIRS	LS			(950)
DEMOLITION (PAVEMENT)	SM	121,170	45	(5,477)
SUBTOTAL				17,928
CONTINGENCY (5.0 %)				896
TOTAL CONTRACT COST				18,824
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,073
TOTAL REQUEST				19,897
TOTAL REQUEST (ROUNDED)				19,870

10. Description of Proposed Construction: Replace degraded portions of the center keel and outer edge runway pavements with reinforced concrete (21"); resurface degraded portions of shoulders on SE end overrun (2"); repair recessed terminating light bar on the NW end; install approach lighting on both ends; widen shoulders of three taxiways with asphalt (9"). Seal all joints and provide necessary pavement markings.

11. REQUIREMENT: 443,772 SM ADEQUATE: 301,602 SM SUBSTANDARD: 121,170 SM

PROJECT: Repair runway. (Current Mission)

REQUIREMENT: An adequately surfaced and structurally sound airfield is required to support around-the-clock operations of global missions. Offutt hosts 27 C-135 aircraft including all RC-135 RIVET JOINT aircraft, the primary Air Force strategic reconnaissance aircraft. Offutt also hosts the E-4B National Airborne Operations Center, the survivable command and control platform for national decision-makers. Mission support is provided for E-6B, US Strategic Command Airborne Command Post. These airframes require a dependable and fully operational active runway to ensure 100% mission execution. Project includes the facility costs to relocate aircraft during construction. It also includes costs for temporary facilities and pavement repairs at the host airfield required to accommodate Offutt aircraft during the construction. Air Combat Command pavement evaluation teams stated failures could occur if the pavements were not replaced in the near future.

CURRENT SITUATION: In the past year, scheduled runway maintenance closures have nearly doubled due to the deteriorating airfield pavement condition. Primary pavement has a large density of longitudinal cracking. The inner keel of the runway is in poor condition with most of the deterioration occuring at the SE end. There are over 350

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OFFUTT AIR FORCE BASE, NEBRASKA	REPAIR RUNWAY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	111-111	SGBP050016	19,870

patches on the SE end of the runway that require vigilant maintenance. Outer runway pavements are experiencing longitudinal and transverse cracking, joint spalling, scaling, and corner spalling. Taxiway Lima is a restricted use taxiway because of FOD hazards. Taxiway Papa is experiencing severe longitudinal cracking and requires full replacement. Asphalt overruns have failed and present a FOD hazard. The taxiways used by the E-4B aircraft are not wide enough to support the large airframe. While taxiing, the large engines blast the ground creating flying debris and FOD on the airfield surfaces. The debris creates an unsafe airfield for all aircraft and requires continual attention by airfield sweeping crews. The concrete supporting the NW end terminating lights has sunk 2 to 5 inches below adjacent slabs. If aircraft hit the "bump" during high-speed taxiing or landing, the landing gear could buckle resulting in human injury and loss of aircraft assets. Puddling occurs in the depressed region; winter freeze/thaw cycle poses a FOD hazard and frozen water is an ice hazard during aircraft taxiing. The approach lights do not coincide with the runway threshold. The runway approach lights end 1,000 ft short of the actual threshold causing confusion to assigned and transient aircraft pilots. Pavement included in the project has been rated poor, very poor, or failed by the AF pavement evaluation team. Runway was identified as a safety hazard during 2002 Air Traffic Systems Evaluation Program inspection.

IMPACT IF NOT PROVIDED: Hazardous runway conditions will continue to deteriorate and eventually halt operations. Potential for engine FOD and catastrophic damage will increase. Required runway closures will increase operational costs and hinder the mission. The US Armed Forces Global Mission will become crippled through loss of high priority missions supporting the President, SECDEF, JCS, and Federal Emergency Management Agency. Reconnaissance, survivable command and control, and communications platforms will be unable to launch, recover, and provide key data and support to national decision-makers during war, contingencies, or national emergencies. O&M costs, currently $400K/yr, will continue to escalate with little return on investment.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, an economic analysis was not performed. A certificate of exception has been prepared. An estimated $5M Base Operational Support O&M expense is required every time the runway is closed for construction and the aircraft are relocated. Base Civil Engineer: Lt Col Gary Singler, (402) 294-5501. (Reinforced Concrete: 101,970 SM = 1,097,600 SF; Asphalt Concrete: 19,200 SM = 206,560 SF; Widen Shoulders: 21,000 SM = 225,960 SF).

JOINT USE CERTIFICATION: This is an installation infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OFFUTT AIR FORCE BASE, NEBRASKA	REPAIR RUNWAY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	111-111	SGBP050016	19,870

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	1,192
(b) All Other Design Costs	596
(c) Total	1,788
(d) Contract	1,488
(e) In-house	300

(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 FEB

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

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OFFUTT AIR FORCE BASE, NEBRASKA	CONSTRUCT HQ AIR FORCE WEATHER AGENCY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35117	141-649	SGBP023003	30,410

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
HQ AIR FORCE WEATHER AGENCY				25,235
AF WEATHER AGENCY FACILITY	SM	18,800	1,329	(24,985)
ANTITERRORISM/FORCE PROTECTION	SM	18,800	13	(250)
SUPPORTING FACILITIES				2,178
UTILITIES	LS			(782)
PAVEMENTS	LS			(646)
SITE IMPROVEMENTS	LS			(269)
SCIF AREA	SM	930	176	(164)
SPECIALIZED COMPUTER AREA	SM	930	92	(86)
COMMUNICATIONS SUPPORT	LS			(232)
SUBTOTAL				27,413
CONTINGENCY (5.0 %)				1,371
TOTAL CONTRACT COST				28,784
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,641
TOTAL REQUEST				30,425
TOTAL REQUEST (ROUNDED)				30,410

10. Description of Proposed Construction: A three-story facility with reinforced concrete foundation and floor slab, masonry walls, standing seam metal roof, utilities, fire detection/protection, pavements, access road, communications support, site improvements, landscaping and all other necessary support. Includes minimum DoD force protection standards.

Air Conditioning: 700 Tons

11. REQUIREMENT: 18,800 SM ADEQUATE: 0 SM SUBSTANDARD: 17,185 SM

PROJECT: Construct a Headquarters Air Force Weather Agency. (Current Mission).

REQUIREMENT: An 18,800 SM facility to support a 1100-person work force that includes 930 SM of Sensitive Compartmented Information Facility (SCIF), 930 SM of mainframe computer space, Uninterruptible Power Source (UPS) capability backed up by base generators, 24-hour mission operation centers, theater-type conference room with 250-person capacity, food service space, and adequate parking. Force protection will comply with minimum DoD standards.

CURRENT SITUATION: HQ AFWA is a strategic weather data collection, processing, and analysis unit; providing real-time mission critical weather data to front line combat units. HQ AFWA resides within building 301, originally constructed in 1941 as an aircraft manufacturing and assembly plant. The HQ AFWA facility has expanded in disjointed segments as mission requirements increased over the past 30 years; offices are physically separated within building 301. Because of the piecemeal construction, the existing layout is inefficient. The morale and personal well-being of the personnel is reduced due to the industrial fumes, dust emissions, pollution, and aging of the 63-year old infrastructure. The HVAC system is poorly balanced, inefficient, and difficult

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OFFUTT AIR FORCE BASE, NEBRASKA	CONSTRUCT HQ AIR FORCE WEATHER AGENCY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35117	141-649	SGBP023003	30,410

to maintain throughout the seasons. Unstable relative humidity & failing plumbing with water leaks continually threaten, and have shut down, AFWA's advanced computing center and strategic (worldwide) weather operations. Each year, AFWA experiences water leaks which damage computer systems valued in excess of $322M. There has been damage to infrastructure, including damage to ceiling structures, carpet, hidden asbestos materials, air vents, and air handling systems. The facility averages approximately $500,000 in repair costs annually. There are annual infrastructure upgrades targeting obsolete power panels and uncharted and disjointed power grid cabling among the numerous facilities. HQ AFWA also supports contractors that operate advanced computer systems procured specifically for operational processes. However, contractors experience problems recruiting quality people to work due in part to poor facilities. Contracted services reside within 30,000 SF of total office space in segmented facilities. Finally, building 301 presents a fire safety risk to the workforce due to the distance required for safe egress.

IMPACT IF NOT PROVIDED: HQ AFWA and the 55 CES will continue to commit over $500K in O&M resources annually to a deteriorating infrastructure. Personnel safety is at risk under fire and natural disaster conditions. Frequent water and power infrastructure failures continually place DoD's Center of Expertise in Satellite Meteorology and Space Weather at risk for operational failure and loss of over $322M in computer resources alone. Numerous federal and DoD interagency agreements for shared and backup services are at risk. As this continues, morale becomes an increasing concern among military and government service personnel. Business partners face loss of valued experienced members due to industrial work conditions, thereby impacting AFWA mission commitments.

ADDITIONAL: This project is in accordance with the Offutt AFB General Plan for removal of administrative functions from the Martin Bomber Building, an industrial facility. This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception is being prepared for this project. Base Civil Engineer, Lt Col Gary Singler, (402)294-5501; (Air Force Weather Agency: 18,800 SM = 202,288 SF).

BASE CIVIL ENGINEER: Barnhart

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OFFUTT AIR FORCE BASE, NEBRASKA	CONSTRUCT HQ AIR FORCE WEATHER AGENCY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35117	141-649	SGBP023003	30,410

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	1,800
(b) All Other Design Costs	900
(c) Total	2,700
(d) Contract	2,250
(e) In-house	450
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	08 FEB

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

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

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
NELLIS AIR FORCE BASE, NEVADA	AIR COMBAT COMMAND	1.28

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 02	1165	7105	2775	75	135	2	1	0	263	11,521
END FY 2007	1283	6969	2764	75	135	2	1	0	263	11,492

7. INVENTORY DATA ($000)

a. Total Acreage:	13,921	
b. Inventory Total as of : (30 Sep 04)		2,109,983
c. Authorization Not Yet in Inventory:		51,600
d. Authorization Requested in this Program:		60,724
e. Authorization Included in the Following Program: (FY 2007)		31,200
f. Planned in Next Four Years Program:		59,200
g. Remaining Deficiency:		18,000
h. Grand Total:		2,330,707

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
211-152	F/A-22 ADAL LO Composite Facility	836 SM	9,330	May-04	Sep-05
171-211	F/A-22 ADAL Weapons School	2,973 SM	10,240	May-04	Sep-05
442-758	Predator Maint/Logistics Complex	11,086 SM	19,260	May-04	Jul-05
211-177	Predator Operations Facilities	7,710 SM	23,314	May-04	Jul-05
422-264	Predator Munitions Complex	1,867 SM	9,330	May-04	Sep-05
211-177	Predator Training Facilities	3,344 SM	8,820	May-04	Jul-05
		Total	60,724		

9a. Future Projects: Included in the Following Program: (FY2007)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000		
422-264	F/A-22 Munitions Support Facilities	526 SM	3,700	May-05	Sep-06
217-742	Consolidated Communications	7,598 SM	27,500	May-05	Sep-06
		Total	31,200		

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

211-172	Predator Beddown Facilities	1 LS	4,000
731-142	Fire/Crash Rescue Stations	2,472 SM	11,800
724-417	Visiting Quarters (ISAFAF)	6,750 SM	18,000
730-835	Consolidated Security Forces	3,250 SM	11,400
211-111	F-15 Maintenance Facility	5,016 SM	14,000
		Total	59,200

9c. Real Property Maintenance Backlog This Installation: ($M) 175

10. Mission or Major Functions: The Air Warfare Center; a flying wing that includes the Weapons Schools for the following (A-10, F-15C/Es, F-16C, HH-60, Command and Control, intelligence, and Space Weapons), an Air Base Wing, an adversary threat group (Red Flag), a test squadron (A-10, F-15, and F-16 aircraft), the USAF Air Demonstration Squadron (Thunderbirds), and two rescue squadrons one equipped with HH-60; Air Force Combat Rescue School; a close air support training unit (Air Warrior), a Red Horse squadron; AF Material Command Munitions squadron, and an Air to Ground Operations School (AGOS).

11. Outstanding Pollution and Safety (OSHA Deficiencies):

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	F/A-22 ADD/ALTER LOW OBSERVABLE COMPOSITE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-152	RKMF063008	9,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
F/A-22 LOW OBSERVABLE COMPOSITE FACILITY				7,357
LO COMPOSITE FACILITY ADDITION	SM	836	2,321	(1,940)
LO CORROSION CONTROL ALTERATION	SM	3,200	430	(1,376)
LO CORROSION INSERT	LS			(4,000)
ANTITERRORISM/FORCE PROTECTION	SM	4,036	10	(41)
SUPPORTING FACILITIES				1,035
UTILITIES	LS			(811)
PAVEMENTS	LS			(56)
SITE IMPROVEMENTS	LS			(150)
COMMUNICATIONS SUPPORT	LS			(18)
SUBTOTAL				8,392
CONTINGENCY (5.0 %)				420
TOTAL CONTRACT COST				8,812
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				502
TOTAL REQUEST				9,314
TOTAL REQUEST (ROUNDED)				9,330

10. Description of Proposed Construction: Construct Low Observable (LO) composite facility addition to Building 252; alter portions of the building for installation of additional LO corrosion control insert. Provides reinforced concrete foundation, standing seam metal roof, masonry walls, secure work areas, site improvements, landscaping, pavements, communication support, relocation of LO corrosion insert controls and all other necessary support. Force protection includes reinforced walls and laminated windows.

Air Conditioning: 10 Tons

11. REQUIREMENT: 5,361 SM ADEQUATE: 1,325 SM SUBSTANDARD: 3,200 SM

PROJECT: Add to and alter F/A-22 Low Observable Composite Facility. (New Mission)

REQUIREMENT: An adequately sized and configured composite maintenance and fabrication shop is required to support the beddown of the next generation multi-roled F/A-22 fighter. The F/A-22 is designed with state-of-the-art technology and composite materials to meet stealth mission requirements. These composites have unique equipment and materials for maintenance and repair that require a specialized facility. In addition, due to the classified mission of the F/A-22 and the quick burn rate of composite materials, the facility will require an additional special corrosion control insert, to be built directly into the facility, security measures, and specialized HVAC system.

CURRENT SITUATION: Existing LO composite facilities do not meet or support maintenance and repair of stealthy composite materials associated with the F/A-22 weapon system. In addition, facilities do not have adequate fire protection/detection and security to

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	F/A-22 ADD/ALTER LOW OBSERVABLE COMPOSITE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-152	RKMF063008	9,330

support this program. This project consolidates LO corrosion control functions with composite repair, structures and fabrication shops.

IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential maintenance and repair of the F/A-22 aircraft, severely degrading mission capability. There are no known workarounds for the unique maintenance requirements of the composite materials.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Base Civil Engineer: Colonel Keith E. Smith, (702) 652-4833. (LO Composite Facility Addition: 836 SM = 9,000 SF)

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	F/A-22 ADD/ALTER LOW OBSERVABLE COMPOSITE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-152	RKMF063008	9,330

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	03-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	560
(b) All Other Design Costs	280
(c) Total	840
(d) Contract	700
(e) In-house	140
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 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	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	F/A-22 ADD/ALTER WEAPONS SCHOOL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-211	RKMF063009	10,240

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
ADD/ALTER WEAPONS SCHOOL				8,203
WEAPONS SCHOOL ADDITION	SM	2,973	2,031	(6,038)
WEAPONS SCHOOL ALTERATION	SM	800	1,015	(812)
SECURITY REQUIREMENTS	SM	3,773	340	(1,284)
ANTITERRORISM/FORCE PROTECTION	SM	3,773	18	(69)
SUPPORTING FACILITIES				1,047
UTILITIES	LS			(270)
PAVEMENTS	LS			(390)
SITE IMPROVEMENTS	LS			(60)
DEMOLITION	SM	1,500	200	(300)
COMMUNICATION SUPPORT	LM	150	180	(27)
SUBTOTAL				9,250
CONTINGENCY (5.0 %)				463
TOTAL CONTRACT COST				9,713
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				554
TOTAL REQUEST				10,266
TOTAL REQUEST (ROUNDED)				10,240

10. Description of Proposed Construction: Work includes multi-floored addition to existing facility with reinforced concrete foundation and floor slab, structural frame, concrete tilt-up exterior walls with aggregate finish, roof system, security measures, sensitive compartmentalized information facilities (SCIF), reconfigured rooms in existing facility, utilities, site improvements, landscaping and all other necessary support. Demolishes a mechanical room, concrete pad and canopy. Includes the following DoD force protection standards: reinforced walls and laminated windows.

Air Conditioning: 90 Tons

11. REQUIREMENT: 8,613 SM ADEQUATE: 5,640 SM SUBSTANDARD: 0 SM

PROJECT: Add to and alter F/A-22 Weapons School. (New Mission)

REQUIREMENT: Adequately sized and configured USAF Weapon School operational training facilities are required to support the beddown of 10 PTAI F/A-22 training aircraft beginning in FY09/1. This critical facility must be completed nine to twelve months prior to first aircraft arrival, because the Weapon School personnel and equipment, and security accreditation are required prior to conducting operations. The primary mission of USAF Weapon School is to provide advanced tactics and weapons training for pilots and aircrews for the CAF (Combat Air Forces) who in turn pass on their skill to pilots and aircrews at their home stations. The Nellis training environment includes ranges that provide aircraft operators critically needed simulated and live fire combat employment scenarios for the F/A-22 weapons system. This facility provides space for instructors, students, classrooms, mission brief/de-brief rooms, weapons tactics trainers and other training devices.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	F/A-22 ADD/ALTER WEAPONS SCHOOL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-211	RKMF063009	10,240

CURRENT SITUATION: There are no excess or adequate facilities available that can be converted to accommodate this new requirement and beddown. Current and future needs for classrooms, instructor pilot offices, weapons school squadron command areas, pilot and maintenance brief/debrief rooms, auditoriums and secure work areas exceed the available space within existing USAF Weapon School facilities. The co-location of assets is required to maximize operational synergism and optimize interaction of students and other weapons system squadrons of the Weapon School.

IMPACT IF NOT PROVIDED: Lacking adequate training facilities, F/A-22 pilots and aircrews will not receive critically needed simulated and live fire combat employment training scenarios for their weapon system. Incremental increases in existing USAF Weapons School Divisions requirements and additional new missions will not be accommodated. Thus, severely jeopardizing the quality of training provided to combat aircrews by the USAF Weapons School.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Base Civil Engineer: Colonel Keith E. Smith, (702) 652-4833. (Weapons School Addition: 2,973 SM = 32,000 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	F/A-22 ADD/ALTER WEAPONS SCHOOL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-211	RKMF063009	10,240

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	03-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	614
(b) All Other Design Costs	307
(c) Total	921
(d) Contract	769
(e) In-house	152
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 MAR
(6) Construction Completion	07 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR MAINTENANCE AND LOGISTICS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	442-758	LKTC063103	19,260

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
PREDATOR MAINTENANCE AND LOGISTICS COMPLEX				15,968
GENERAL PURPOSE MAINTENANCE SHOP	SM	2,230	1,669	(3,722)
FUEL CELL MAINTENANCE HANGAR	SM	2,261	2,044	(4,621)
WAREHOUSE/PARTS STORE/CASKET STORAGE	SM	6,595	1,144	(7,545)
ANTITERRORISM/FORCE PROTECTION	SM	11,086	7	(80)
SUPPORTING FACILITIES				1,350
UTILITIES	LS			(350)
PAVEMENTS	LS			(800)
SITE IMPROVEMENTS	LS			(100)
COMMUNICATION SUPPORT	LS			(100)
SUBTOTAL				17,318
CONTINGENCY (5.0 %)				866
TOTAL CONTRACT COST				18,184
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,036
TOTAL REQUEST				19,220
TOTAL REQUEST (ROUNDED)				19,260

10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, masonry walls with structural steel frame, metal roof systems, fire protection/detection, utilities, site improvements, communications support, pavements, landscaping and all other necessary support. Force protection includes reinforced exterior walls and laminated windows.

Air Conditioning: 300 Tons

11. REQUIREMENT: 13,316 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct Predator Maintenance and Logistics Complex. (New Mission)

REQUIREMENT: This project supports the AF objective of a real-time "hunter/killer" capability by ensuring adequate facilities are available to support Predator operations and maintenance activities. Acquisition of aircraft was accelerated to combat the Global War on Terrorism. Delivery of the Predator MQ9 aircraft is scheduled to begin in FY07/4. Permanent facilities adequately sized and configured for multiple maintenance and logistics functions include general purpose maintenance shop (engines, avionics, wheel and tire, etc.), fuel cell maintenance hangar, and a combination warehouse, parts store, and aircraft casket storage facility.

CURRENT SITUATION: There are no excess facilities at ISAFAF that can be reconfigured to support the operations, maintenance and logistics requirements associated with this new weapons system. These functions will be located, on an interim basis, in leased modular units and existing Predator MQ1 maintenance and logistics facilities that will be redesignated for Predator pilot, maintenance training, and follow-on test functions upon the completion of this project.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR MAINTENANCE AND LOGISTICS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	442-758	LKTC063103	19,260

IMPACT IF NOT PROVIDED: Failure to provide facilities to support this new mission beddown will significantly impact Predator operational capabilities. Adequate facilities will not be available to perform critical maintenance and logistics functions. This will force inefficient work-arounds that will degrade mission performance. Also, without adequate space, valuable assets will be exposed to harsh environments resulting in early deterioration and increased maintenance requirements.

ADDITIONAL: This project meets the criteria and scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, an economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Colonel Keith E. Smith, (707) 652-4833; (General Purpose Maintenance Shop: 2,230 SM = 23,995 SF; Fuel Cell Maintenance Hangar: 2,261 SM = 24,328 SF: Warehouse/Parts Store/Casket Storage: 6,595 SM = 70,962 SF).

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR MAINTENANCE AND LOGISTICS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	442-758	LKTC063103	19,260

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	04-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	31-DEC-04
(e) Date Design Complete	31-JUL-05
(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	1,156
(b) All Other Design Costs	578
(c) Total	1,734
(d) Contract	1,449
(e) In-house	285
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	08 MAR

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

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR OPERATIONS FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	141-753	LKTC063102	23,314

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
PREDATOR OPERATIONS FACILITIES				17,593
SQUADRON OPERATIONS	SM	1,486	2,066	(3,070)
AMU/HANGAR	SM	4,924	2,259	(11,123)
GROUND CONTROL STATION	SM	1,300	2,550	(3,315)
ANTITERRORISM/FORCE PROTECTION	SM	7,710	11	(85)
SUPPORTING FACILITIES				3,500
UTILITIES	LS			(150)
PAVEMENTS	LS			(300)
SITE IMPROVEMENTS	LS			(100)
COMMUNICATION SUPPORT	LS			(50)
INFRASTRUCTURE INSTALLATION	LS			(2,900)
SUBTOTAL				21,093
CONTINGENCY (5.0 %)				1,055
TOTAL CONTRACT COST				22,148
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,262
TOTAL REQUEST				23,410
TOTAL REQUEST (ROUNDED)				23,314

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, expand utilities systems, roads/parking, airfield pavements/lighting/marking, communication support and all other necessary support. Force protection includes reinforced exterior walls and laminated windows.
Air Conditioning: 210 Tons

11. REQUIREMENT: 15,426 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct Predator Operations Facilities. (New Mission)

REQUIREMENT: Permanent operational and maintenance facilities adequately sized and configured are required to support the beddown of 32 Primary Aircraft Inventory (PAI) Unmanned Aerial Vehicle/Remotely Piloted Vehicle (UAV/RPV) Medium Altitude Endurance (MAE) MQ9 Predators "hunter/killer" aircraft weapon systems programmed for Indian Springs Air Force Auxiliary airfield (ISAFAF). The MQ9 aircraft are scheduled for delivery beginning in FY07/4. Total UAV/RPV combat coded force structure for ISAFAF is 32 PAI MQ9, 32 PAI MQ1, and over 1100 personnel consisting of military/civilian and contractor work force. In addition, ISAFAF also supports UAV/RPV Pilot Training, follow-on testing and a special blended (MQ1/MQ9) combat coded squadron. The squadron operations/AMU facility is required to support mission planning, flight operations, flightline maintenance functions, mission briefs and debriefs, and administrative functions. The maintenance hangar is required to support direct flightline aircraft maintenance of the MQ9 Intelligence Surveillance Reconnaisance (ISR) weapon system. The operational Ground Control Station is required to provide the capability to operate the

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR OPERATIONS FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	141-753	LKTC063102	23,314

JAV ISR weapon systems in the AOR from home station. This facility must have redundant :ommunication, power and utility systems to ensure continuous around the clock)perations are sustainable. Primary infrastructure (water, sewer, electrical,)avements, communications, fire protection) must be provided to fully develop this new :omplex on the northeast side of ISAFAF.

:URRENT SITUATION: ISAFAF does not have excess facilities to support this new requirement. The Ground Control Station function is operating out of an interim location on Nellis AFB due to security, communications, and power requirements necessary to meet mission requirements. The Squadron Operations/AMU/Hangar supports MQ9 aircraft delivery beginning in FY07.

IMPACT IF NOT PROVIDED: Failure to provide facilities to support this mission beddown will critically impact Predator operational capabilities. Adequate facilities will not be available to perform critical AOR operations from home station via reach back capabilities, flying operations and direct flightline maintenance functions, thus impacting combat capabilities. The Air Force's capability to train personnel for this critical mission would be severely impacted and would degrade our ability to support the Global War on Terrorism (GWOT). It would reduce our combatant commander's situational awareness via the persistent presence of the Predator ISR weapon system.

ADDITIONAL: This project meets the criteria and scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, an economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Colonel Keith E. Smith, (707) 652-4833; (Squadron Operations: 1,486 SM = 15,989 SF; AMU/Hangar; 4,924 = 52,982 SF; Ground Control Station: 1,300 SM = 13,988 SF).

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR OPERATIONS FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	141-753	LKTC063102	23,314

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	04-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	31-DEC-04
(e) Date Design Complete	31-JUL-05
(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	1,400
(b) All Other Design Costs	700
(c) Total	2,100
(d) Contract	1,755
(e) In-house	345
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 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	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR MUNITIONS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	422-264	LKTC063104	9,330

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
PREDATOR MUNITIONS COMPLEX				7,189
MUNITIONS STORAGE IGLOOS (4)	SM	892	4,818	(4,298)
MUNITIONS MAINTENANCE FACILITY	SM	557	3,164	(1,762)
EQUIPMENT MAINTENANCE FACILITY	SM	418	2,700	(1,129)
SUPPORTING FACILITIES				1,200
PAVEMENTS	LS			(350)
UTILITIES	LS			(550)
SITE IMPROVEMENTS	LS			(100)
COMMUNICATION SUPPORT	LS			(200)
SUBTOTAL				8,389
CONTINGENCY (5.0 %)				419
TOTAL CONTRACT COST				8,808
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				502
TOTAL REQUEST				9,310
TOTAL REQUEST (ROUNDED)				9,330

10. Description of Proposed Construction: Reinforced concrete floor slab and foundations, finished masonry block and concrete blast walls, standing seam metal roof system, earthen covered igloos, utilities, parking and access road, fire detection/protection, site improvements, landscaping and communications support. Comply with DoD minimum antiterrorism/force protection standards per unified facilities criteria.

Air Conditioning: 20 Tons

11. REQUIREMENT: 1,867 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct Predator Munitions Complex. (New Mission)

REQUIREMENT: Permanent facilities adequately sized and configured are required to support the beddown of over 80 Unmanned Aerial Vehicle/Remotely Piloted Vehicle (UAV/RPV) Medium Altitude Endurance (MAE) MQ1/MQ9 Predator aircraft at Indian Springs Air Force Auxiliary Airfield (ISAFAF). These traditional reconnaissance aircraft are being weaponized to meet the AF objective to provide a real time persistent lethal presence for our combatant commanders. With the added air-to-ground munitions requirement, ISAFAF requires munitions storage, maintenance, and logistics facilities for the maintenance and build-up of munitions to meet training requirements. The MQ9 aircraft are scheduled to begin delivery in FY07/4. MQ1 aircraft are transitioning for the expanded air-to-ground role.

CURRENT SITUATION: ISAFAF does not have excess facilities that can be converted to meet new requirements. The ISAFAF munitions storage area (MSA) has limited storage capacity and was not configured or developed to meet these new requirements.

IMPACT IF NOT PROVIDED: Failure to provide facilities to support this mission beddown will critically impact Predator munitions maintenance and storage capabilities.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR MUNITIONS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	422-264	LKTC063104	9,330

Adequate munitions support facilities will not be available to provide training to Predator pilots in realistic live ordnance combat scenarios that are associated with the Predator mission. The Air Force's capability to train Predator pilots for this critical mission would be severely impacted and would degrade the ability to support the Global War on Terrorism (GWOT).

ADDITIONAL: This project meets the criteria and scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, an economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Colonel Keith E. Smith, (707) 652-4833; (Munitions Storage Igloos (4): 892 SM = 9,598 SF; Munitions Maintenance Facility: 557 SM = 5,993 SF; Equipment Maintenance Facility: 418 SM = 4,498 SF).

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR MUNITIONS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	422-264	LKTC063104	9,330

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	17-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	552
(b) All Other Design Costs	276
(c) Total	828
(d) Contract	690
(e) In-house	138

(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 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	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR TRAINING FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	171-618	LKTC063105	8,820

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
PREDATOR TRAINING FACILITIES				7,311
FIELD TRAINING UNIT ADDITION	SM	1,486	2,261	(3,360)
MAINTENANCE TRAINING FACILITY ADDITION	SM	744	2,112	(1,571)
ARMAMENT SHOP	SM	1,114	2,105	(2,345)
ANTITERRORISM/FORCE PROTECTION	SM	3,344	10	(35)
SUPPORTING FACILITIES				650
UTILITIES	LS			(300)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS			(100)
COMMUNICATION SUPPORT	LS			(50)
SUBTOTAL				7,961
CONTINGENCY (5.0 %)				398
TOTAL CONTRACT COST				8,359
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				476
TOTAL REQUEST				8,836
TOTAL REQUEST (ROUNDED)				8,820

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 and expand utility systems, roads and parking, airfield pavements/lighting/marking, communication support and all other necessary support. Force protection includes reinforced exterior walls and laminated windows.

Air Conditioning: 90 Tons

11. REQUIREMENT: 3,344 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct Predator Training Facilities. (New Mission)

REQUIREMENT: Permanent training facilities adequately sized and configured are required to support the beddown of the Predator Field Training Unit (FTU) which consists of 8 Primary Training Aircraft Inventory (PTAI) MQ1 and 8 PTAI MQ9 Medium Altitude Endurance (MAE) "hunter/killer" aircraft weapon systems programmed for Indian Springs Air Force Auxiliary airfield (ISAFAF). The MQ9 aircraft are scheduled for delivery beginning in FY07/4. The AETC managed Field Training Detachment (FTD) provides critical continuation maintenance training (engine maintenance, avionics, composite repairs, etc). The hangar addition to the existing Predator FTU (MQ1) provides hangar maintenance and shop space for the larger Predator MQ9 Intelligence Surveillance Reconnaissance (ISR) weapon system. The armament shop is required because the FTD function is displacing them.

CURRENT SITUATION: ISAFAF does not have excess facilities to support this new requirement. Current Predator FTD functions (MQ1 only) are accomplished on Nellis AFB in the FTD facility. This facility is at capacity and cannot be physically expanded. With the continued growth of ISAFAF and the Unmanned Aerial Vehicle/Remotely Piloted

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR TRAINING FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	171-618	LKTC063105	8,820

Vehicle (UAV/RPV) mission at ISAFAF, it is extremely inefficient and time consuming for personnel to travel back and forth from ISAFAF to Nellis AFB (over one hour commute) to receive critical training.

IMPACT IF NOT PROVIDED: Failure to provide these facilities to support this mission beddown will critically impact UAV/RPV operational capabilities. Adequate facilities will not be available to meet training requirements associated with the Predator mission. The Air Force capability to train personnel would be severely impacted and would degrade the ability to support the Global War on Terrorism (GWOT).

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, an economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Colonel Keith E. Smith, (707) 652-4833; (Field Training Unit Hangar Addition: 1,486 = 15,989 SF; Maintenance Training Facility Addition: 744 SM = 8,000 SF; Armament Shop: 1,114 SM = 12,000 SF).

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INDIAN SPRINGS AF AUXILIARY FIELD, NEVADA	PREDATOR TRAINING FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	171-618	LKTC063105	8,820

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	04-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	31-DEC-04
(e) Date Design Complete	31-JUL-05
(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	530
(b) All Other Design Costs	265
(c) Total	795
(d) Contract	662
(e) In-house	133
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 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 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
MCGUIRE AIR FORCE BASE NEW JERSEY	AIR MOBILITY COMMAND	1.15

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	549	3785	829	450	2909	0	629	3491	84	12,726
END FY 2009	586	4032	817	439	2819	0	611	3214	84	12,602

7. INVENTORY DATA ($000)

Total Acreage: 3,661

Inventory Total as of : (30 Sep 04)		2,561,485
Authorization Not Yet in Inventory:		130,900
Authorization Requested in this Program:		13,185
Authorization Included in the Following Program:	(FY 2007)	24,000
Planned in Next Four Years Program:		48,300
Remaining Deficiency:		206,882
Grand Total:		2,984,752

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
812-225	Electrical Distribution System	12,400	LM	13,185	Jun-04	Sep-05
			TOTAL	13,185		

9a. Future Projects: Included in the Following Program: (FY2007)

141-753	C-17 NE Assault Landing Zone			13,600	May-05	Sep-06
			TOTAL	13,600		

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

171-815	NCO PME Center	4,475	SM	10,400
422-264	Munitions Storage Area	1,932	SM	10,000
730-835	Unified Security Forces Operations Facility	3,520	SM	13,800
610-128	Global Reach Deployment Complex, Sp 2/3	6,500	SM	24,500
			TOTAL	58,700

9c. Real Property Maintenance Backlog This Installation ($M) 165

10. Mission or Major Functions: HQ 21st Air Force; an Air Mobility Wing with one C-141 squadron and two KC-10 squadrons; an Air Mobility Operations Group (AMOG), the Air Mobility Command Mobility Warfare Center; an AFRC C-141/KC-10 associate air mobility wing; and a NJ-ANG air refueling wing with two KC-135 squadrons.

11. Outstanding pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCGUIRE AIR FORCE BASE, NEW JERSEY	ELECTRICAL DISTRIBUTION SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	812-225	PTFL973009	13,185

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
ELECTRICAL DISTRIBUTION SYSTEM				9,476
PRIM DISTR LINE UG (34.5 KVA)	LM	460	610	(281)
PRIM DISTR LINE UG (12.47KVA)	LM	13,225	300	(3,968)
BLDG SERVICE TRANSFORMERS	LS			(670)
SUBSTATION	EA	1	*********	(1,356)
ROADWAY LIGHTING SYSTEM	LM	6,405	130	(833)
COMM DUCT IN POWER TRENCH/COMM MANHOLES	LM	7,564	170	(1,286)
U/G SECONDARY DISTRIBUTION (BLDG SERVICES)	LM	3,000	260	(780)
UTILITY METERING CABINET	LS			(303)
SUPPORTING FACILITIES				2,404
SPARE CONDUITS IN POWER TRENCH	LM	13,225	39	(516)
TESTING, MONITORING & SWITCHOVER	LS			(220)
DEMO PRIM DISTR LINE OH	LM	24,160	42	(1,015)
DEMO SEC DISTR LINE OH & POLE TRANSFORMERS	LM	4,500	90	(404)
SITE RESTORATION	LS			(100)
UTILITY CONNECTION CHARGES	LS			(150)
SUBTOTAL				11,880
CONTINGENCY (5.0 %)				594
TOTAL CONTRACT COST				12,474
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				711
TOTAL REQUEST				13,185
TOTAL REQUEST (ROUNDED)				13,185

10. Description of Proposed Construction: Replace existing overhead electrical distribution system with an underground electrical distribution system. Replaces switchgear, substations & building services, demolishes overhead system, replaces overhead utility lines with underground duct-bank, repairs disturbed pavements & apron. Includes site support, new street lighting & all necessary support.

11. REQUIREMENT: 13,685 LM ADEQUATE: 0 LM SUBSTANDARD: 30,175 LM

PROJECT: Electrical Distribution System. (Current Mission)

REQUIREMENT: An adequate, reliable and efficient primary electrical distribution system not susceptible to severe weather conditions supporting the airfield and base support facilities. This is the first (MILCON) phase of a seven-phase electrical distribution system repair that will replace the existing overhead 12.47KVA distribution system with an underground system in order to eliminate numerous power outages currently experienced at McGuire. The McGuire AFB electrical distribution system needs to be reliable in order to support AMC expeditionary forces mission response times. Estimated savings is $600,000 a year by using a 34.5KV system. This system will also eliminate a $2500/month transformer revenue fee for use of step-down tranformers charged by the local utility.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCGUIRE AIR FORCE BASE, NEW JERSEY	ELECTRICAL DISTRIBUTION SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	812-225	PTFL973009	13,185

CURRENT SITUATION: Approximately twenty (20) miles of feeder circuits are distributed throughout the base; mostly overhead on poles to provide the primary voltage source to pad and/or pole mounted building service transformers. The distribution system has been in place for approximately fifty years & exhibits the problems normally associated with older overhead systems. Stresses due to weather conditions (wind, rain, ice) are evident throughout the system. One recent outage, due to excessive heat, forced the base to power all the airfield radar, the water wells & KC-10 flight simulator with 21 generators for up to 2 days. Frayed conductor insulation, failing bolted connections & inoperable switches constantly plague the system. Annual maintenance costs are unnecessarily high & because it is a 12.47KV system, the base pays a monthly $2500 transformer revenue fee ($30,000 per year). Insect & environmental damage to the poles causes deterioration requiring periodic replacement. Old lines & equipment frequently fail, blacking out sections of the base, or "dropping" phases & damaging equipment.

IMPACT IF NOT PROVIDED: Electric utility circuits and components will continue to deteriorate from constant exposure to weather elements, potentially resulting in failure, jeopardizing McGuire's ability to meet its mission objectives. Increased phase losses will cause more equipment damage, and subject the base to a potential for fire in some of the facilities. Property damage will increase. Maintenance costs for electrical power will increase dramatically. The base will continue to pay $30,000 per year in transformer revenue fees.

ADDITIONAL: This project contains supporting facility costs in excess of 25% of the primary facility costs due to the need to relocate telephone and street lighting circuit systems which currently utilize the utility poles to be demolished as a result of this repair and to provide spare conduits for future expansion. This estimate was generated using PACES. An economic analysis has been prepared comparing the alternatives of new construction, replacement, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements. Prim Distr Line UG (34.5 KVA): 460 LM = 1,500 LF; Prim Distr Line UG (12.47 KVA): 13,225 LM = 43,389 LF. Base Civil Engineer: Lt Col Brian A. Ouelette, (609) 754-2642.

JOINT USE CERTIFICATION: This is an installation utility/infrastructure project and does not qualify for joint use at this location. However, all tenants on this installation benefit by this project.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCGUIRE AIR FORCE BASE, NEW JERSEY	ELECTRICAL DISTRIBUTION SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	812-225	PTFL973009	13,185

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-JUN-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	35%
* (d) Date 35% Designed	30-SEP-05
(e) Date Design Complete	20-SEP-05
(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	763
(b) All Other Design Costs	381
(c) Total	1,144
(d) Contract	953
(e) In-house	191
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 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 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
KIRTLAND AIR FORCE BASE NEW MEXICO	AIR FORCE MATERIEL COMMAND:	0.99

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	1459	3454	3849	20	48	10	10	37	174	9,061
END FY 2009	1376	3412	3509	37	48	10	10	37	174	8,613

7. INVENTORY DATA ($000)			
Total Acreage:	44,066		
Inventory Total as of : (30 Sep 04)			1,786,828
Authorization Not Yet in Inventory:			59,934
Authorization Requested in this Program:			6,600
Authorization Included in the Following Program:		(FY 2007)	0
Planned in Next Four Years Program:			269,854
Remaining Deficiency:			150,450
Grand Total:			2,273,666

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
171-212	HC-130P Simulator Facility	1,255	SM	$6,600	Apr-04	Sep-04
		Total		6,600		

9a. Future Projects: Included in the Following Program: (FY2007)

None

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

131-111	Secure Communications Facility	1	LS	10,500
111-113	CSAR - Various Facilities	1	LS	42,690
111-113	CSAR - Various Facilities	1	LS	20,170
141-454	Space RDT&E Operations Center	12,299	SM	26,394
141-764	ADAL National Assessment Group HQ	1,104	SM	3,500
171-212	CSAR - PRV Simulator Facility	3,000	SM	12,900
171-623	PJ/CRO Rescue & Recovery Trng Cnt	37,474	SM	8,700
310-924	Advanced High Power Microwave Lab	3,235	SM	16,000
310-924	Advanced High Power Microwave Lab	3,359	SM	11,900
310-931	High Power Gas Laser Lab Complex	1,303	SM	8,400
312-472	Space Vehicles Component Develo Lab	3,710	SM	14,600
610-249	Alter Wing Headquarters	1	LS	5,500
610-286	National Defense Tech Auditorium	3,010	SM	8,000
724-417	Visiting Quarters	1	LS	13,800
730-773	Chapel Expansion	595	SM	2,000
730-832	Commercial Vehicle Inspection Station	1	LS	10,000
730-835	Security Forces Complex	4,275	SM	14,500
740-674	Fitness Center	5,438	SM	10,800
851-147	Reconstruct/Widen Wyoming Road	1	LS	11,000
851-147	Reconstruct/Widen Wyoming Blvd	1	LS	6,000
871-183	Upgrade Storm Drainage System	1	LS	8,400
872-245	East Perimeter Fence	16,090	LM	4,100

9c. Real Propery Maintenance Backlog This Installation

10. Mission or Major Functions: An air base wing; a special operations wing with HH-60, UH-1N, TH-53, MH-53, MC-130 and HC-130 aircraft; Air Force Research Laboratory research site locations for directed energy, space vehicle, and T&E directorates; AF Inspection Agency; AF Operational Test & Evaluation Center; AF Safety Center; and an Air National Guard fighter wing with F-16 aircraft.

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE NEW MEXICO	4. COMMAND: AIR FORCE MATERIEL COMMAND:	5. AREA CONST COST INDEX 0.99

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KIRTLAND AIR FORCE BASE, NEW MEXICO	HC-130P SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27224	171-212	MHMV033426	6,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
HC-130P SIMULATOR FACILITY				4,832
HC-130P FLIGHT SIMULATOR FACILITY	SM	1,255	3,850	(4,832)
SUPPORTING FACILITIES				1,120
UTILITIES	LS			(375)
PAVEMENTS	LS			(75)
SITE IMPROVEMENTS	LS			(110)
SECURE COMMUNICATIONS TRENCH	LS			(200)
COMMUNICATIONS SUPPORT	LS			(140)
MOTOR GENERATOR	EA	1	220,000	(220)
SUBTOTAL				5,952
CONTINGENCY (5.0 %)				298
TOTAL CONTRACT COST				6,249
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				356
TOTAL REQUEST				6,606
TOTAL REQUEST (ROUNDED)				6,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(29,400.0)

10. Description of Proposed Construction: A two-story facility with reinforced concrete foundation and floor slabs, masonry walls, and standing seam metal roof. Includes a 50 x 54 foot bay, briefing rooms, conference room, mass briefing area, computer room, site preparation, seismic requirements, communications support, generator, landscaping, and all supporting utilities. Comply with DoD force protection requirements per unified facilities criteria.

11. REQUIREMENT: 11,557 SM ADEQUATE: 10,302 SM SUBSTANDARD: 0 SM

PROJECT: Construct a HC-130P Simulator Facility. (New Mission)

REQUIREMENT: Adequate space is required to house an HC-130P flight simulator for training 41 students per year. The simulator will be delivered in FY07. The HC-130 CSAR community has for years operated without an HC-130 configured simulator that provides realistic training and accurately portrays the Mission Design Series (MDS).

CURRENT SITUATION: There are currently no facilities on base that can accept a new simulator. The 58 SOW currently provides training to ACC Rescue HC-130 aircrew members using the AFSOC MC-130P Combat Shadow Weapon System Trainer (WST). The equipment configuration between the MC and HC-130 MDS are dissimilar and require aircrew students to establish new equipment system crosschecks and learn technical operating procedures not found on the actual aircraft. To meet current requirements for Programmed Flight Training (PFT), the 58 SOW conducts MC/HC-130 training on a 20 hours a day / 6 days a week simulator schedule. The 58 SOW currently conducts only 8 classes a year under these constraints and produces only 32 students. The FY05 Graduate Program Guidance Letter (GPGL) establishes the requirement for 37 students a year, increasing thereafter to 41 per year. The existing WST is not accurately supporting the development of correct human

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KIRTLAND AIR FORCE BASE, NEW MEXICO	HC-130P SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27224	171-212	MHMV033426	6,600

factors related to aircrew actions in the actual aircraft.

IMPACT IF NOT PROVIDED: Despite dedicating all training resources for meeting mission qualifying training, the 58 SOW is unable to meet GPGL requirements and cannot accomplish instructor/aircraft commander upgrade training requirements requested by operational units. The Rescue HC-130 mission qualification pilot/navigator students are not receiving realistic training, delaying mission capability by limiting GPGL output to 37 percent per year and failing to provide aircraft commander or instructor upgrades. The unit will struggle to meet training quotas and fail to accurately provide a realistic training environment for a high demand-low density mission area.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternatives were considered during the development of this project. No other option option could meet the mission requirements; therefore, an economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Mr. D. Brent Wilson, PE (505) 846-7911. HC-130P simulator Facility = 1,255 SM = 13,500 SF.

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KIRTLAND AIR FORCE BASE, NEW MEXICO	HC-130P SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27224	171-212	MHMV033426	6,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-APR-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	396
(b) All Other Design Costs	198
(c) Total	594
(d) Contract	494
(e) In-house	100
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 JAN
(6) Construction Completion	07 APR

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
HC-130P SIMULATOR	3080	2007	29,400

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
MINOT AIR FORCE BASE, NORTH DAKOTA	AIR COMBAT COMMAND	1.09

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	604	4474	942				0	1	54	6,075
END FY 2009	605	4355	878				0	1	54	5,893

7. INVENTORY DATA ($000)

Total Acreage:	5,383	
Inventory Total as of : (30 Sep 04)		1,709,149
Authorization Not Yet in Inventory:		9,500
Authorization Requested in this Program:		8,700
Authorization Included in the Following Program:	(FY 2007)	0
Planned in Next Four Years Program:		89,600
Remaining Deficiency:		41300
Grand Total:		1,858,249

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
214-426	Security Forces Vehicle Alert Fac	5,648	SM	8,700	Design Build	
		Total		8,700		

9a. Future Projects: Included in the Following Program: (FY2007)

None		0

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

214-425	Transportation Complex	5,500	SM	10,000
149-962	Air Traffic Control Complex	2,067	SM	12,000
721-312	Replace Dormitory	144	RM	12,000
211-173	ADAL Maintenance Dock	4,055	SM	9,900
212-216	Missile Operations Complex	4,850	SM	9,000
721-312	Replace Dormitory	144	RM	12,500
112-211	Repair Parallel Runway	1	LS	12,200
721-312	Replace Dormitory	144	RM	12,000

9c. Real Propery Maintenance Backlog This Installation 52

10. Mission or Major Functions: A host bomb wing with B-52H aircraft, and an AF Space Command wing with Minuteman III missiles.

11. Outstanding pollution and Safety (OSHA Deficiencies:

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE, NORTH DAKOTA	SECURITY FORCES VEHICLE ALERT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	214-426	QJVF013100	8,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
SECURITY FORCES VEHICLE ALERT FACILITY				6,563
VEHICLE ALERT BUILDING	SM	5,648	1,150	(6,495)
ANTITERRORISM FORCE PROTECTION	SM	5,648	12	(68)
SUPPORTING FACILITIES				1,242
PAVEMENTS	LS			(450)
SITE IMPROVEMENTS	LS			(150)
COMMUNICATIONS	LS			(92)
UTILITIES CIVIL/MECH/ELEC	LS			(550)
SUBTOTAL				7,805
CONTINGENCY (5.0 %)				390
TOTAL CONTRACT COST				8,195
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				467
TOTAL REQUEST				8,662
TOTAL REQUEST (ROUNDED)				8,700
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(160)

10. Description of Proposed Construction: A single-story masonry structure with concrete foundation system, steel-truss roof system, fire protection system, utilities with exterior connections, site improvements, access road, and parking lot. Includes space for offices, bathrooms, break room, work areas with storage, mechanical room, emergency power, and all othe support. Complies with DoD force protection requirements per unified facilities criteria.

11. REQUIREMENT: 5,648 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct a Security Forces vehicle alert facility. (Current Mission)

REQUIREMENT: A consolidated, heated, properly sized facility is required to ensure over 135 Security Forces vehicles supporting rapid response requirements are in "ready to operate" status at all times. An alert parking facility for these vehicles is critical due to harsh winters in North Dakota that can reach wind-chill temperatures of minus 100 degrees Fahrenheit. These vehicles are essential to Security Forces operations providing security and rapid response to 150 Minuteman III ICBM sites spread over 8,500 square miles, permanently assigned B-52 bombers, weapons storage areas, and installation law enforcement activities. A consolidated, heated structure sited closer to the existing Security Forces Operations Facility is essential to reduce security response times, improve the strategic posture of critical missile sites and aircraft supporting National security, and protect and preserve these vehicle assets.

CURRENT SITUATION: Currently, no adequate facility exists to house the Security Forces vehicle inventory. Consequently vehicles are parked outside during the winter months in severe cold weather with harsh wind-chill conditions. The supporting HMMWVs and security camper fleet are diesel-fueled, making start-up in the extreme cold weather prolonged and difficult. Extended warm-up times and de-icing periods severely impact the ability

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE, NORTH DAKOTA	SECURITY FORCES VEHICLE ALERT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	214-426	QJVF013100	8,700

of Security Forces personnel to rapidly respond to critical situations, presenting a major obstacle to maintaining the security and integrity of strategic weapons systems and supporting personnel. Additionally, Security Forces personnel cannot perform thorough checks and searches on the majority of vehicles which have to be parked outside during periods of severely inclement weather. Current mission workarounds during these conditions require start-up of the vehicles several times each day, wasting man-hours and fuel and decreasing vehicle engine life.

IMPACT IF NOT PROVIDED: Without an adequate Security Forces Vehicle Alert Facility, a seasonal degradation in the ability of security personnel to rapidly respond to critical situations will continue to plague Security Force operations and readiness. These conditions could compromise the security of numerous priority assets including nuclear weapons storage areas, B-52 bombers, and remotely located nuclear ICBMs, seriously impacting the readiness of two of the three elements of America's Nuclear TRIAD. The impact of the extremely harsh North Dakota winter conditions will also continue to hamper effective law enforcement operations. Finally, Security Forces personnel will continue working and parking vehicles in freezing conditions fostering security response delays and potential lapses in the security of critical National Defense assets.

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 new construction is the only option that will meet operational requirements. A Certificate of Exception has been prepared. "Sustainable facility principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other applicable laws and Executive Orders." Base Civil Engineer: Lt Col Randy Eide, (701) 723-2434. Security Force Vehicle Alert Facility: 5,648 SM = 60,772 SF

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MINOT AIR FORCE BASE, NORTH DAKOTA	SECURITY FORCES VEHICLE ALERT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	214-426	QJVF013100	8,700

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 261

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 07 JUN

(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)
FURNISHINGS/EQUIPMENT	3400	6	115
COMMUNICATIONS	3080	6	45

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE OHIO	4. COMMAND: AIR FORCE MATERIEL COMMAND:	5. AREA CONST COST INDEX 0.96

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	2730	2490	13634				81	138	4,169	23,242
END FY 2009	2622	2504	13184				81	138	4169	22,698

7. INVENTORY DATA ($000)

Total Acreage:	8,220	
Inventory Total as of : (30 Sep 04)		4,305,329
Authorization Not Yet in Inventory:		33,100
Authorization Requested in this Program:		19,670
Authorization Included in the Following Program:	(FY 2007)	0
Planned in Next Four Years Program:		236,600
Remaining Deficiency:		252,852
Grand Total:		4,847,551

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
141-454	Add/Alter Intel Production Complex	4,831	19,670	Design	Build
		Total	19,670		

9a. Future Projects: Included in the Following Program: (FY2007)

None

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

111-111	Replace Primary Runway - South End	72,464	SM	15,900
113-321	Replace West Ramp, Ph 2	98,667	SM	9,100
310-933	Materials Computational Research Fac	6,000	SM	16,000
141-454	ADAL Foreign Materiel Exploitation Lab	6,834	SM	19,000
171-454	AFIT Academic Facility	4,456	SM	10,200
311-171	Add/Alter Aeronautical Research Lab	6,943	SM	19,000
311-173	Information Technology Complex, Ph 1	9,832	SM	22,000
311-173	Information Technology Complex, Ph 2	9,832	SM	24,000
311-173	Alter Acquisition Support Facility	13,400	SM	19,800
318-615	Conversion for Advanced Power Research Laboratory	5,533	SM	17,000
610-112	Consolidate AFMC Law Offices	7,150	SM	9,000
610-281	Alter Base Support Facility	14,200	SM	14,500
610-284	Alter Command Headquarters	21,873	SM	20,000
730-835	Security Forces Operations Facility	5,765	SM	12,800
736-773	Add/Alter Chapel Activities Center	1,300	SM	3,300
852-262	Repair Drainage Acquisition Mgt Complex Parking	123,395	SM	5,000

9c. Real Propery Maintenance Backlog This Installation 112

10. Mission or Major Functions: Air Force Materiel Command headquarters which is responsible for management, control, and direction of research, acquisition and logistics support for air and space weapons 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; an air base wing; Air Force Reserve Command airlift wing with two C-141 airlift squadrons; and an AMC airlift flight with C-21 aircraft.

1. COMPONENT AIR FORCE	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE OHIO	4. COMMAND: AIR FORCE MATERIEL COMMAND:	5. AREA CONST COST INDEX 0.96

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WRIGHT PATTERSON AIR FORCE BASE, OHIO	ADD/ALTER INTELLIGENCE PRODUCTION COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72086	141-454	ZHTV063303	19,670

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
ADD/ALTER INTELLIGENCE PRODUCTION COMPLEX				13,904
ADD TO INTELLIGENCE PRODUCTION COMPLEX	SM	4,831	2,400	(11,594)
ALTER INTELLIGENCE PRODUCTION COMPLEX	SM	1,858	1,183	(2,198)
ANTITERRORISM/FORCE PROTECTION	SM	4,831	23	(111)
SUPPORTING FACILITIES				3,917
UTILITIES	LS			(1,414)
PAVEMENTS	LS			(1,654)
SITE IMPROVEMENTS	LS			(849)
SUBTOTAL				17,821
CONTINGENCY (5.0 %)				891
TOTAL CONTRACT COST				18,712
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,067
TOTAL REQUEST				19,778
TOTAL REQUEST (ROUNDED)				19,670
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(72,100)

10. Description of Proposed Construction: Construct multistory, multipurpose SCIF facility, reinforced concrete foundation, floor slab, structural frame, pre-cast concrete wall, utilities, pavements, site improvements, landscaping, communications support, fire detection/protection and all other necessary support. Comply with DoD minimum antiterrorism/force protection standards per unified facilities criteria.

Air Conditioning: 180 Tons

11. REQUIREMENT: 70,254 SM ADEQUATE: 3,934 SM SUBSTANDARD: 43,438 SM

PROJECT: Add/Alter Intelligence Production Complex (New Mission).

REQUIREMENT: A highly classified, contiguous, Sensitive Compartmented Information Facility (SCIF) is required to enable Air Force (AF/XOI) directed/endorsed mission growth of the National Air and Space Intelligence Center (NASIC) in areas of the highest national security interest, as described in National Security Policy Directive 26 (NSPD-26). This includes computer room, intelligence production, video telecom, expanded collaborative area, and space for overhead non-imaging infra-red (ONIR) mission operations. This is the second phase of a two-phase project to meet the NASIC requirements at Wright-Patterson. Phase 1 is programmed in FY05. Supporting facility costs exceed 25% as the project requires relocation of a major electrical substation and communications manhole. In addition, pavement work on this project will support approximately 80-90% of the required pavement work for both phases. Comply with DoD minimum antiterrorism/force protection standards per unified facilities criteria.

CURRENT SITUATION: The NASIC does not have the physical floor space to accommodate the additional Air Force intelligence production analysis and information technology equipment to accomplish its expanded national security mission. There is no existing

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WRIGHT PATTERSON AIR FORCE BASE, OHIO	ADD/ALTER INTELLIGENCE PRODUCTION COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72086	141-454	ZHTV063303	19,670

space to support the SCIF and NASIC Operations Analytical Center (NOAC). NASIC will experience increased growth to support the ONIR mission, and new national technical means. This project will support ONIR mission requirements as identified through FY08. This project will alter/reutilize facility space that will be vacated as functions relocate into the new IPC addition. This reuse of space will accommodate right-sizing of existing missions that are currently housed in overcrowded space, program approved missions, and consolidate missions that are currently fragmented inefficiently through the NASIC complex. In addition, the Air Force endorsed NASIC Joint Reserve Intelligence Center (JRIC) is one of five Active Directory Hubs for the Joint Reserve Intelligence Program (JRIP). These Hubs provide backup data storage and server processing for the entire 27-site JRIP network, and are critical to the JRIP's support to combatant commanders during crisis and war. The NASIC JRIC success has generated Congressional support and has experienced a 200% increase in man-days supporting the Global War on Terrorism (GWOT). The current JRIC facility is already overcrowded for GWOT and other crisis operations. NASIC does not have the physical space to successfully accomplish the expanded mission responsibilities directed by the Air Force.

IMPACT IF NOT PROVIDED: A major loss of planned mission capability endorsed by AF/XOI to keep pace with the intelligence required under NSPD-26 will result from a failure to provide the required space. Information technology growth will exceed available floor space in FY05 and NASIC is not capable of housing over $66M in new computer equipment to be added over the FYDP. This will severely impact funding available for intelligence production (tooth-to-tail). Funds will be diverted to pay for costly, substandard work-around resulting in considerable reductions in available intelligence. Major security risks will result from housing overflow in multiple secure sites and significant administration overhead will be incurred to transport classified between sites. Severe overcrowding will limit production tools available to analysis and the quality of the products being developed.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. An economic analysis/certificate of exception is being prepared. Base Civil Engineer: Mr. Gary K. Johnson, Director, (937) 257-6214. (Add to Intelligence Complex - 4,831 SM = 51,982 SF; Alter to Intelligence Complex - 1,858 SM = 19,992 SF)

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WRIGHT PATTERSON AIR FORCE BASE, OHIO	ADD/ALTER INTELLIGENCE PRODUCTION COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72086	141-454	ZHTV063303	19,670

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 984

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 08 FEB

(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)
IT HARDWARE/SOFTWARE & EQUIP.	3400	2005	1,400
IT HARDWARE/SOFTWARE & EQUIP.	3080	2006	3,500
IT HARDWARE/SOFTWARE & EQUIP.	3600	2006	10,000
IT HARDWARE/SOFTWARE & EQUIP.	3400	2006	7,700
IT HARDWARE/SOFTWARE & EQUIP.	3080	2007	5,500
IT HARDWARE/SOFTWARE & EQUIP.	3600	2007	11,000
IT HARDWARE/SOFTWARE & EQUIP.	3400	2007	12,700
IT HARDWARE/SOFTWARE & EQUIP.	3080	2008	2,000
IT HARDWARE/SOFTWARE & EQUIP.	3400	2008	13,000
PREWIRED WORKSTATIONS	3400	2006	4,700
UNINTERRUPTABLE POWER SUPPLY	3080	2006	600

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE OKLAHOMA	4. COMMAND: AIR FORCE MATERIEL COMMAND:	5. AREA CONST COST INDEX 0.91

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	960	3226	2740	450	2909		78	1680	84	12,127
END FY 2009	847	2763	2739	439	2819		78	1680	84	11,449

7. INVENTORY DATA ($000)

Total Acreage:	5,033	
Inventory Total as of : (30 Sep 04)		2,202,737
Authorization Not Yet in Inventory:		67,406
Authorization Requested in this Program:		31,960
Authorization Included in the Following Program:	(FY 2007)	10,400
Planned in Next Four Years Program:		260,891
Remaining Deficiency:		137,250
Grand Total:		2,710,644

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-157	Upgrade Building 3001 Infrastructure	1	LS	20,000	Design Build	
217-742	31st Combat Communications Squadron Operations	5,800	SM	11,960	May-04	Sep-05
		Total		31,960		

9a. Future Projects: Included in the Following Program: (FY2007)

740-884	Child Development Center	3,061	SM	10,400	Design Build	
		Total		10,400		

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

112-211	Expand Ramp/Taxiway	21,000	SM	8,000
141-753	ADAL Squadron Operations Facility	820	SM	2,400
141-764	Consolidated Software Support Facility	6,690	SM	15,000
217-742	32nd Combat Communications squadron Complex	3,303	SM	8,200
217-742	33rd Combat Communications squadron Complex	5,873	SM	10,800
211-111	C-135 Hangar (Bldg 3102/3105 Infill)	7,200	SM	20,000
211-152	Sheet Metal Facility	11,896	SM	30,000
211-152	Industrial Services Facility			7,600
211-157	Upgrade Building 3001 Infrastruct	1	LS	20,000
211-157	Alter B3001 Chemical Clean	3,020	SM	12,600
211-157	Upgrade Building 3001	1	LS	20,000
211-254	Consolidated Fuel Overhaul, Repair, and Test Facility	12,987	SM	33,000
217-742	72 Comm/Information Technology	10,390	SM	15,000
610-112	Consolidated HQ/Law Center	1,316	SM	12,000
724-417	Visiting Officer's Quarters	1	LS	10,500
730-142	Structural/Crash Fire Station	1	LS	4,000
730-771	Chapel Care Center Addition	300	SM	1,000
730-835	Security Forces Facility	5,390	SM	16,791
740-674	Fitness Center	3,266	SM	8,300
813-231	Substation 6 / Alter Distribution Lines	1	LS	5,700

9c. Real Propery 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-1, B-2, B-52, KC-135 and E-3 aircraft and aircraft engines; an air base wing; an Air Combat Command air control wing with four E-3 airborne air control squadrons supporting 24 E-3 aircraft; an Air Force Reserve Command air refueling wing with one KC-135 squadron; an Air Combat Command combat communications group; and an engineering installation wing.

1. COMPONENT AIR FORCE	**FY 2006 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE OKLAHOMA	4. COMMAND: AIR FORCE MATERIEL COMMAND:	5. AREA CONST COST INDEX 0.91

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE, OKLAHOMA	UPGRADE BUILDING 3001 INFRASTRUCTURE, PHASE II

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	211-157	WWYK063016	20,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
UPGRADE BUILDING 3001 INFRASTRUCTURE				18,000
UPGRADE SUBSTATION 2	LS			(5,500)
NEW ELECTRICAL SUBSTATIONS	EA	2	*********	(2,000)
CHILLERS	EA	3	*********	(3,000)
BOILER	EA	1	*********	(3,000)
AIR HANDLING UNITS	EA	4	375,000	(1,500)
MAIN UTILITY PIPING	LS			(2,000)
MISCELANEOUS LIFE/SAFETY PROVISIONS	LS			(1,000)
SUPPORTING FACILITIES				0
SUBTOTAL				18,000
CONTINGENCY (5.0 %)				900
TOTAL CONTRACT COST				18,900
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,077
TOTAL REQUEST				19,977
TOTAL REQUEST (ROUNDED)				20,000

10. Description of Proposed Construction: Modernize the critical electrical system for building 3001 by upgrading the existing substation to include a 20MVA transformer and switch gear and provide two new 1500KVA substations. Modernize the building HVAC by constructing three new 1500 ton chillers, one 100,000#/hr boiler and replacing existing air handling units. Project includes installation of a new 15KV distribution system, upgrades to the main utility piping systems and upgrades to miscellaneous life/safety provisions to meet current fire and safety codes.

11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS

PROJECT: Upgrade Building 3001 Infrastructure. (Current Mission)

REQUIREMENT: Replacement of the failing critical utility infrastructure of building 3001 is required to support the ever increasing demands of the Programmed Depot Maintenance (PDM) work centers to meet current and future depot workload in support of TF-119, TF-33, F-101, F-108, F-110 and the F-100 jet engines. Utility system infrastructure upgrades are needed to provide a reliable source of electricity, heating and cooling as well as increased capacity for the various processes in the facility. Revitalization of the utility infrastructure in building 3001 is an element of the AFMC/OC-ALC long term Depot Strategy to improve PDM processes and timelines to better support war fighter readiness.

CURRENT SITUATION: Present propulsion workload (jet engine repair, maintenance and overhaul) and a significant portion of Airborne Accessories 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

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		4. PROJECT TITLE UPGRADE BUILDING 3001 INFRASTRUCTURE, PHASE II	
5. PROGRAM ELEMENT 72896	6. CATEGORY CODE 211-157	7. PROJECT NUMBER WWYK063016	8. PROJECT COST ($000) 20,000

aircraft worked at Tinker AFB, OK. The entire electrical system (60+ years old) does not meet today's code standards and requires upgrades as well as additional capacity and capability. The existing HVAC systems, also over 60+ years old, need to be replaced with today's energy efficient units to meet today's code standards and require upgrades for safety as well as additional capacity and capability. The main utility piping has deteriorated with age and needs to be replaced. Personnel safety improvements will be implemented to provide easy entrance and exit to the various work centers.

IMPACT IF NOT PROVIDED: Infrastructure critical to the operation of the Oklahoma City Air Logistics Center will fail because they are either worn or undersized for operational needs. Failure will likely cause stoppages in work and impact the timely maintenance, repair, and overhaul of aircraft critical to the war fighter. Working conditions will not be improved. Personnel safety will be put at risk. Processes will continue to be longer that acceptable and create significant impact to Depot PDM flow days.

ADDITIONAL: This is the second phase of a multi-phase effort to revitalize building 3001. There is no criteria/scope specified for the project in Air Force Handbook 32-1084, "Facility Requirements". An economic analysis has been prepared comparing the alternatives of status quo, new construction, contract workload, renovation, and other government facilities. Based on the net present values and benefits of the respective alternatives, renovation was found to be the most cost efficient over the life of the project. The requirement for this project was validated by the Joint Services Depot Maintenance Military Construction Review on 15 Aug 01. Base Civil Engineer: Mr. Stephen P. Mallott, (405) 734-3451.

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE, OKLAHOMA	UPGRADE BUILDING 3001 INFRASTRUCTURE, PHASE II

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	211-157	WWYK063016	20,000

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 1,000

(4) Construction Contract Award 05 DEC

(5) Construction Start 06 MAR

(6) Construction Completion 08 MAR

(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	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE, OKLAHOMA	31ST COMBAT COMMUNICATIONS SQUADRON OPERATIONS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	217-742	WWYK003006C	11,960

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
COMBAT COMMUNICATIONS SQUADRON OPS COMPLEX				7,402
SQUADRON OPERATIONS FACILITY	SM	2,800	1,503	(4,208)
ALTER SQUADRON OPERATIONS FACILITY	SM	2,400	1,039	(2,494)
MOBILITY STORAGE FACILITY	SM	600	1,100	(660)
ANTITERRORISM/FORCE PROTECTION	SM	5,800	7	(40)
SUPPORTING FACILITIES				3,365
UTILITIES	LS			(600)
SITE IMPROVEMENTS	LS			(1,198)
ACCESS ROAD	SM	8,919	112	(999)
DEMOLITION	SM	1,800	157	(283)
TEMPORARY FACILITIES	LS			(185)
COMMUNICATION SUPPORT	LM	1,000	100	(100)
SUBTOTAL				10,767
CONTINGENCY (5.0 %)				538
TOTAL CONTRACT COST				11,305
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				644
TOTAL REQUEST				11,949
TOTAL REQUEST (ROUNDED)				11,960

10. Description of Proposed Construction: Construct concrete reinforced foundation consisting of piers and slab, steel frame with metal siding,standing seam sloped roof, utilities, access road, site improvements, communication support, fire detection/protection, fencing, roll-up doors with drive-through access, temporary relocation, and demolition of five facilities (1,800 SM). Force Protection will comply with minimum DoD standards.

Air Conditioning: 75 Tons

11. REQUIREMENT: 24,032 SM ADEQUATE: 7,156 SM SUBSTANDARD: 12,065 SM

PROJECT: Construct a Combat Communications Squadron Operations Complex. (Current Mission)

REQUIREMENT: Provide facilities to support a combat communications squadron of 211 personnel. Proper facilities are required for command and administrative functions, operations, communications, and maintenance of air traffic control systems along with communications. Squadron operational capability requires the unit to deploy within 72 hours to any location in the world. Training areas are needed to prepare new personnel to operate and maintain a high state of readiness. Mobility storage is needed to store deployables. The high cost for site improvements is a result of expansive soil conditions at the construction site. In addition, a significant area of the project will require retaining walls and extensive cut and fill to stabilize the area. The existing facilities are in the way of construction and will be demolished at the start

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE, OKLAHOMA	31ST COMBAT COMMUNICATIONS SQUADRON OPERATIONS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	217-742	WWYK003006C	11,960

of the project. The temporary facilities are required to house squadron functions during construction. Force Protection will comply with minimum DoD standards.

CURRENT SITUATION: Two of the main facilities housing the squadron are substandard structures erected between 1967 and 1968. Administrative, maintenance, and operational management activities are housed in portable facilities that are between five and fifteen years old, nearing the end of life expectancy. Existing facilities do not have the required square footage to adequately perform equipment maintenance and to allow for pallet build-up. Current facilities have no dedicated training areas. Constant heavy usage has resulted in these facilities approaching the end of their useful life. Portable buildings lack adequate insulation and are difficult to heat and cool efficiently. A total of 390 square meters of storage space is currently being used to house test equipment and highly sensitive equipment. Space must be utilized outside to store equipment, leaving it without proper security and environmental control.

IMPACT IF NOT PROVIDED: The lack of indoor maintenance, operations, pallet build-up, administration and storage space will intensify and impair mission accomplishment. The current facilities housing the operation, including the portable buildings, will continue to deteriorate and continue to be non cost-effective to heat, cool and maintain. Equipment stored outside will continue to lack proper security and environmental control, and will continue to deteriorate, shortening life expectancy and increasing potential failures.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". An economic analysis has been prepared and new construction was found to be the most cost-effective alternative. The Base Civil Engineer: Mr. Dean Holt; 405-734-3451. (Combat Comm Complex: 5,800 SM = 62,408 SF)

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE, OKLAHOMA	31ST COMBAT COMMUNICATIONS SQUADRON OPERATIONS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	217-742	WWYK003006C	11,960

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	17-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	720
(b) All Other Design Costs	360
(c) Total	1,080
(d) Contract	900
(e) In-house	180

(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 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 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE SOUTH CAROLINA	4. COMMAND: AIR MOBILITY 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 04	526	3216	622	11	39	5	357	1951	618	7,345
END FY 2009	513	3333	620	11	39	5	357	1951	618	7,447

7. INVENTORY DATA ($000)

Total Acreage: 3,733

Inventory Total as of : (30 Sep 04)		1,168,947
Authorization Not Yet in Inventory:		55,900
Authorization Requested in this Program:		2,583
Authorization Included in the Following Program:	(FY 2007)	18,500
Planned in Next Four Years Program:		53,295
Remaining Deficiency:		62,000
Grand Total:		1,361,225

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
740-674	ADAL Fitness Center	1,936	SM	2,583	Feb-05	Sep-05
			TOTAL	2,583		

9a. Future Projects: Included in the Following Program: (FY2007)

610-127	BCE/Contracting Complex	8,967	SM	18,500	Design - Build
			TOTAL	18,500	

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

111-111	Repair Runway 03/21	97,548	SM	14,000
740-884	Child Development Center	3,137	SM	8,000
730-142	Base Fire Station	2,919	SM	9,000
111-111	Repair Runway 15/33	125,438	SM	22,295
			TOTAL	53,295

9c. Real Property Maintenance Backlog This Installation ($M) 107

10. MISSION OR MAJOR FUNCTIONS: An airlift wing with four C-17 squadrons; an AFRC C-141/C-17 associate airlift wing; an ANG air defense detachment with F-16 aircraft; and a combat camera squadron.

11. Outstanding pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	ADAL FITNESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	740-674	DKFX033001	2,583

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
ADD/ALTER FITNESS CENTER				2,020
ADDITION	SM	1,082	1,479	(1,600)
ALTERATION	SM	854	468	(400)
AT/FP STRUCTURAL MEASURES	SM	1,936	10	(20)
SUPPORTING FACILITIES				307
UTILITIES	LS			(86)
SITE IMPROVEMENTS	LS			(221)
SUBTOTAL				2,327
CONTINGENCY (5.0 %)				116
TOTAL CONTRACT COST				2,443
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				139
TOTAL REQUEST				2,583
TOTAL REQUEST (ROUNDED)				2,583
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(300.0)

10. Description of Proposed Construction: Addition consists of site excavation, concrete foundations, walls and floor slabs, brick veneer exterior and standing seam roof conforming to base standards and existing facility exterior. Alteration consists of the relocation, conversion, and reconfiguration of selected existing functional areas. Project includes all necessary/required utilities, Antiterrorism/Force Protection measures, and sitework.

Air Conditioning: 50 Tons

11. REQUIREMENT: 6,192 SM ADEQUATE: 5,110 SM SUBSTANDARD: 0 SM

PROJECT: Provide additions and perform associated alterations to the Base Athletic Fitness Center (Current Mission)

REQUIREMENT: An adequately sized and properly configured fitness center to support the ever-increasing patron demand for recreation, athletic, health, and wellness activities at Charleston AFB. Force protection measures will be incorporated into the design and construction of this project in accordance with DoD unified facilities criteria.

CURRENT SITUATION: The base athletic fitness center was constructed in 1959; an FY93 MILCON addition provided a facility capable of supporting the recreational activities demanded at that time. During the period since the last addition, however, the Air Force emphasis shifted away from the concept of fitness through simple exercise and weight management and towards a holistic approach to personal health and wellness through the increased use of aerobic exercises combined with cardiovascular conditioning, strength conditioning, indoor squadron athletic programs, and nutritional training -- none of which the facility was designed to accommodate. Because of this lack of adequate space, the fitness center must currently restrict the type and number of programs offered, place a limit on customer participation in exercise classes, and provide only a limited selection of exercise equipment for the patrons. This

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	ADAL FITNESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	740-674	DKFX033001	2,583

requirement has been identified in the Air Force Fitness Center Needs Assessment.

IMPACT IF NOT PROVIDED: Military patrons will continue to be denied participation in these activities, potentially affecting their readiness and promotional capability and their long-term value to the Air Force. Utilizing off-base facilities will impose additional hardships on their limited time and resources. Without this project, the morale, fitness, and health of those participants who cannot gain access to the desired activities could be affected.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, repair existing, add/alter) was done. It indicates there is only one option that will meet operational requirements. Base Civil Engineer: Lt Col Kyle E. Hicks, (843) 963-4956. ADAL Fitness Center: 1,936 SM = 20,830 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	ADAL FITNESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	740-674	DKFX033001	2,583

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	01-FEB-05
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	01-JUN-05
(e) Date Design Complete	01-SEP-05
(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	150
(b) All Other Design Costs	130
(c) Total	280
(d) Contract	230
(e) In-house	50
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 MAR
(6) Construction Completion	07 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)
CID/FITNESS EQUIPMENT	3800	2006	300

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA	4. COMMAND: AIR COMBAT COMMAND	5. AREA CONST COST INDEX 0.83

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 04	721	4914	1032	0	42	0	2	1	81	6,793
END FY 2009	691	4786	988	0	42	0	2	1	81	6,591

7. INVENTORY DATA ($000)

a. Total Acreage:	3,390	
b. Inventory Total as of : (30 Sep 04)		1,029,694
c. Authorization Not Yet in Inventory:		8,500
d. Authorization Requested in this Program:		9,730
e. Authorization Included in the Following Program: (FY 2007)		0
f. Planned in Next Four Years Program:		34,900
g. Remaining Deficiency:		31600
h. Grand Total:		1,114,424

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
141-454	USCENTAF Comm Squadron	4,640 SM	9,730	May-04	Sep-05
		Total	9,730		

9a. Future Projects: Included in the Following Program: (FY2007)

None

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

740-674	Fitness Center	9,393 SM	16,500
212-213	Munitions Facilities	2,980 SM	5,900
721-312	Replace Dormitory (144 PN)	4,752 SM	12,500
		Total	34,900

9c. Real Propery Maintenance Backlog This Installation: ($M) 52

10. Mission or Major Functions: Headquarters Ninth Air Force; a fighter wing with four F-16 squadrons; and an information warfare squadron.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

a. Air pollution

b. Water Pollution

c. Occupational Safety and Health

d. Other Environmental

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SHAW AIR FORCE BASE, SOUTH CAROLINA	USCENTAF COMMUNICATIONS SQUADRON FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-454	VLSB983002R3	9,730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
USCENTAF COMMUNICATIONS SQUADRON FACILITY				6,085
COMMUNICATION SQUADRON FACILITY	SM	4,640	1,305	(6,055)
ANTITERRORISM/FORCE PROTECTION	SM	4,640	6	(30)
SUPPORTING FACILITIES				2,650
UTILITIES	LS			(271)
PAVEMENTS	LS			(374)
SITE IMPROVEMENTS	HE	5	11,500	(58)
DEMOLITION/ASBESTOS REMOVAL	SM	3,723	300	(1,117)
COMMUNICATIONS SUPPORT	LS			(622)
FENCING	LM	480	144	(69)
SPECIAL FOUNDATION (SEISMIC/WIND)	LS			(139)
SUBTOTAL				8,735
CONTINGENCY (5.0 %)				437
TOTAL CONTRACT COST				9,172
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				523
TOTAL REQUEST				9,694
TOTAL REQUEST (ROUNDED)				9,730
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,864.0)

10. Description of Proposed Construction: Concrete foundation and floor slab, masonry walls, standing seam metal roof, utilities, fire detection/protection, site impovements, fencing, landscaping, pavements, communication support, and the demolition/asbestos removal of 11 buildings (3,723 SM). Force Protection will comply with DoD minimum standards.

Air Conditioning: 440 Tons

11. REQUIREMENT: 7,150 SM ADEQUATE: 2,510 SM SUBSTANDARD: 3,570 SM

PROJECT: Construct USCENTAF Communications Squadron Facility. (Current Mission)

REQUIREMENT: The 609th Air Communications Squadron (ACOMS) provides combat-ready command, control, communications, computer, and intelligence systems supporting the United States Central Command Air Forces (USCENTAF) deployable Air Operations Center (AOC). ACOMS develops war plans and exercises; designs and supports theater communication-computer systems and provides communication-computer staff for USCENTAF exercises and operational deployments in war and peace. This new facility is required to be constructed to Seismic Zone 2 specifications and hurricane force winds of 100 mph per the International Building Code, para. 1609.6.2. Force Protection will comply with DoD minimum standards.

CURRENT SITUATION: This project demolishes 11 facilities (3,723 SM) and consolidates squadron functions from 17 facilities into seven facilities. The 609th ACOMS currently operates from 17 facilities which range in age from the early 1940's to the mid 1980's.

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SHAW AIR FORCE BASE, SOUTH CAROLINA	USCENTAF COMMUNICATIONS SQUADRON FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-454	VLSB983002R3	9,730

Many of the facilities are metal frame structures with increasing utility costs. With new computer and communication equipment coming on line, lack of adequate space for testing, calibration, and repair of equipment will adversely affect mission objectives. Training rooms are inadequately sized to allow upgrading of individual career field specifications needed to work on the advanced equipment deployed by ACOMS. Fragmentation of unit integrity hampers logistics and manpower planning and control. Some of these facilities are four miles apart. The existing facilities don't provide space for the AOC to function as it would in contingency situations. This condition hampers the opportunity to train the way we would fight.

IMPACT IF NOT PROVIDED: Buildings will continue to deteriorate and hamper mission objectives. High-valued equipment will be exposed to the elements shortening the life-cycle and potentially damaging the instrumentation. This can significantly effect the effectiveness of the unit's critical communication mission to support the warfighters.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. An economic analysis/certificate of exception is being prepared. Base Civil Engineer: Lt Col Jeffrey Jackson, Phone: Commercial: (803) 895-9562. (Communication Squadron Facility: 4,640 SM = 49,926 SF)

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SHAW AIR FORCE BASE, SOUTH CAROLINA	USCENTAF COMMUNICATIONS SQUADRON FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-454	VLSB983002R3	9,730

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	04-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	582
(b) All Other Design Costs	291
(c) Total	873
(d) Contract	728
(e) In-house	145

(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 JUN

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
OFFICE FURNITURE	3400	2005	230
VEH AND COMM MAINTENANCE EQUIP	3400	2005	150
COMPUTER EQUIP/WIRING	3400	2004	1,484

1. COMPONENT AIR FORCE	FY 2006 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	0.93

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	522	2678	1280	288	8376	0	25	17	11	13,197
END FY 2009	505	2404	1276	241	8376	0	24	17	11	12,854

7. INVENTORY DATA ($000)		
a. Total Acreage:	6,158	
b. Inventory Total as of : (30 Sep 04)		1,919,763
c. Authorization Not Yet in Inventory:		147,015
d. Authorization Requested in this Program:		36,000
e. Authorization Included in the Following Program:	(FY 2007)	30,000
f. Planned in Next Four Years Program:		178,394
g. Remaining Deficiency:		38,200
h. Grand Total:		2,349,372

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
442-758	T-6 COMBS Warehouse	1,115 SM	3,000	May-04	Sep-05
721-313	Student Dormitory	300 RM	33,000	Design-	Build
		Total	36,000		

9a. Future Projects: Included in the Following Program: (FY2007)

721-313	Student Dormitory	300 RM	30,000	Design-	Build
		Total	30,000		

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

171-627	Techical Training Support Facility	5,621 SM	14,894
171-211	ENJJPT Operations Complex	9,932 SM	25,500
113-321	Base Operations Ramp	40,067 SM	10,000
721-312	Student Dormitory	300 RM	30,000
721-312	Student Dormitory	300 RM	34,000
721-312	Student Dormitory	300 RM	31,000
721-312	Student Dormitory	100 RM	12,000
171-627	Replace Trainer Maint/Dev Facility	10,688 SM	21,000
		Total	178,394

9c. Real Property Maintenance Backlog This Installation ($M) 61

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

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SHEPPARD AIR FORCE BASE, TEXAS	T-6 COMBS WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
84741	442-758	VNVP043001	3,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
T-6 COMBS WAREHOUSE				2,062
T-6 COMBS WAREHOUSE	SM	1,115	1,840	(2,052)
ANTITERRORISM FORCE PROTECTION	LS			(10)
SUPPORTING FACILITIES				598
UTILITIES	LS			(282)
PAVEMENTS	SM	222	47	(10)
SITE IMPROVEMENTS	SM	1,580	35	(55)
COMMUNICATIONS SUPPORT	LS			(250)
SUBTOTAL				2,659
CONTINGENCY (5.0 %)				133
TOTAL CONTRACT COST				2,792
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				159
TOTAL REQUEST				2,951
TOTAL REQUEST (ROUNDED)				3,000

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel frame/roof system, utilities and parking to support the Joint Primary Aircraft Training System (JPATS) T-6A program. This facility will be used for storage of aviation spares and equipment; shipping and receiving material; engine uncrating,removal and application of preservation material; crating; engine build-up/tear-down; and maintenance. Includes antiterrorism/force protection requirements identified DoD Unified Facilities Criteria.

Air Conditioning: 26 Tons

11. REQUIREMENT: 1,115 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Provide contractor operated maintenance and base supply (COMBS) facility in support of T-6 beddown (New Mission)

REQUIREMENT: A properly sized and configured COMBS facility is required, by contract, to support the JPATS Program at each site designated for operations. This facility will primarily consist of warehouse space including loading and unloading docks. The facility will also include area for an engine shop, air ground equipment shop, offices for foreman and managers, systems control room, break room, and necessary support areas (restrooms, mechanical rooms, etc).

CURRENT SITUATION: Sheppard AFB facilities do not currently meet the space requirements necessary to support the T-6A aircraft. Sheppard AFB will receive 69 T-6A aircraft, beginning in February 2008. The T-6A beddown process will begin at Sheppard AFB in FY07 and will be completed by FY09. As part of the contract for the maintenance of the T-6A, we are contractually required to provide this support facility 90 days prior to first aircraft arrival. AETC Site Survey indicated that in order to meet the requirement and keep with the scheduled T-6A beddown timeline, the COMBS facility, must be completed by FY07.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SHEPPARD AIR FORCE BASE, TEXAS	T-6 COMBS WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
84741	442-758	VNVP043001	3,000

IMPACT IF NOT PROVIDED: Failure to fund and complete this construction will undermine the T-6A beddown process and degrade the quality of training given to US pilots. Contractual commitments for the beddown of new aircraft will not be kept.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. New construction was found to be the most cost efficient over the life of the project. Existing furniture and equipment will be utilized to furnish the facility. Base Civil Engineer: Lt Col Phil Triplett, (940) 676-2158. T-6 COMBS Warehouse, 1,115 SM = 11,997 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SHEPPARD AIR FORCE BASE, TEXAS	T-6 COMBS WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
84741	442-758	VNVP043001	3,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	30-SEP-04
(e) Date Design Complete	10-SEP-05
(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	109
(b) All Other Design Costs	54
(c) Total	163
(d) Contract	158
(e) In-house	5
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 FEB

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

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

1. COMPONENT	FY 2006 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	721-313	VNVP063005	33,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
STUDENT DORMITORY				24,669
STUDENT DORMITORY (300 RM)	SM	14,625	1,376	(20,124)
DINING HALL	SM	3,160	1,309	(4,136)
ANTITERRORISM FORCE PROTECTION	SM	17,785	23	(409)
SUPPORTING FACILITIES				5,152
UTILITIES	LS			(1,550)
PAVEMENTS	LS			(978)
SITE IMPROVEMENTS	LS			(2,427)
COMMUNICATIONS	LS			(197)
SUBTOTAL				29,821
CONTINGENCY (5.0 %)				1,491
TOTAL CONTRACT COST				31,313
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,785
TOTAL REQUEST				33,097
TOTAL REQUEST (ROUNDED)				33,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(4,133)

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel frame/roof system with brick veneer, utilities, parking, walkways, and other necessary support for a new 300-room, 600-person multi-story student dormitory and detached 1500-person dining facility. Includes administration support and training manager's areas, laundries, storage, mechanical, communication, and utility connections. Includes antiterrorism and force protection requirements identified in the DoD Uniform Facilities Criteria.

Air Conditioning: 650 Tons Grade Mix: E1-E4 600

11. REQUIREMENT: 4,209 RM ADEQUATE: 900 RM SUBSTANDARD: 3,044 RM

PROJECT: Construct a 300-room student dormitory and 1500-person dining facility. (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 successful accomplishment of vital training requirements. A centrally located dining facility close to student dormitories is also required to insure the most efficient use of training time. This project is in accordance with the Air Force Dormitory Master Plan. Antiterrorism force protection measures will comply with minimum DoD Force Protection Construction Standards.

CURRENT SITUATION: This is the fourth phase of a multi-phase program to eliminate a deficit of 1,165 rooms and replace 3,044 inadequate rooms for non-prior service students. The present deficiency has resulted in overcrowding of existing facilities.

1. COMPONENT	FY 2006 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	721-313	VNVP063005	33,000

The deficiency equates to approximately 2,330 students being triple bunked. 1,280 rooms are too small by current standards for two students per room. Four of the twelve student dormitories at Sheppard have central latrines and are in deteriorated condition. Broken toilets, sinks, sewer, and water lines plague these facilities. 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 studies. The overcrowding conditions create increased discipline problems, higher wash back rates of students, higher failure/discharge rates, and increased maintenance and utility costs on existing facilities. The current dining facilities are in poor condition and inefficient to operate at their current size (650-person). The new dining facility is needed now so that when two composite dormitories with their internal dining facilities are demolished later in the dorm phasing plan (FY08), the base can continue feeding the student population without interruption. Currently, four dining facilities located within dormitories serve 200,000 meals per month. Training curriculums developed for the most effective use of student time on station are contingent on the efficient use of time for meals provided by the location and capacity of current dining facilities.

IMPACT IF NOT PROVIDED: A properly sized and configured dormitory is necessary to continue the conversion to the new dormitory standard for non-prior service students, and continue to eliminate the room deficiency. Students will continue to be triple bunked. Adequate student living quarters will continue to be unavailable resulting in degradation of morale, productivity, and overall training effectiveness of unaccompanied enlisted personnel. The severe overcrowding of students in these facilities will continue to impact student discipline and wash-back/failure rates. Facility maintenance requirements will continue to be high. 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 airmen must perform.

ADDITIONAL: 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. A Certificate of Exception has been prepared. Unaccompanied Housing RPM conducted: FY03 - $5,114K (Act); FY04 - $2,685K (Act); FY05 - $3,200K (Est); FY06 - $3,700K (Est); FY07 - $4,200K (Est). Base Civil Engineer: Lt Col Phil Triplett, (940) 676-2158. Dormitory: 14,625 SM = 157,422 SF; Dining Facility: 3,160 SM = 34,014 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 2006 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	721-313	VNVP063005	33,000

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 1,650

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 FEB

(6) Construction Completion 08 FEB

(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)
DORMITORY FURNISHINGS	3400	2007	2,133
DINING HALL EQUIPMENT	3080	2006	2,000

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH	COMMAND: AIR FORCE MATERIEL COMMAND	5. AREA CONST COST INDEX 1.00

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	1026	6428	15200				1	0	68	22,723
END FY 2009	992	6428	14536				1	0	68	22,025

7. INVENTORY DATA ($000)

Total Acreage:	6,973	
Inventory Total as of : (30 Sep 04)		2,481,425
Authorization Not Yet in Inventory:		19,013
Authorization Requested in this Program:		24,100
Authorization Included in the Following Program:	(FY 2007)	51,900
Planned in Next Four Years Program:		104,999
Remaining Deficiency:		221,700
Grand Total:		2,903,137

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
141-764	Add to Software Support Facility	6,735	SM	19,500	Design-Build	
171-625	F/A-22 Aircraft Battle Damage Repair Training/Storage Facility	2,220	SM	4,600	Design-Build	
		Total		24,100		

9a. Future Projects: Included in the Following Program: (FY2007)

116-665	F/A-22 T-10 Engine Test Cell	4,000	SM	2,200	Design-Build	
141-764	Add to Software Support Facilityl	6,735	SM	20,000	Design-Build	
211-116	F/A-22 Fueled Composite Aircraft Overhaul/Testing Facility	6,194	SM	26,000	Design-Build	
215-154	Armament Overhaul Facility	1,559	SM	3,700	Design-Build	
		Total		51,900		

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

211-111	Seismic Upgrade, Bldg. 590	9,061	SM	7,000
211-116	Fueled Aircraft Hangar	5,500	SM	13,000
212-212	Missile Depot Maintenance Facility	3,717	SM	9,000
215-552	Munitions Maintenance Facility	2,820	SM	5,200
211-152	F-16 Structural Maintenance Facility	830	SM	2,600
217-712	Electronics Repair Facility, Phase 1	9,800	SM	25,000
422-259	Consolidate Missile Storage Facilities	3,535	SM	12,099
442-758	Consolidated OO-ALC Warehouse	18,600	SM	22,000
730-142	Fire/Crash Rescue Station	4,300	SM	9,100

9c. Real Propery Maintenance Backlog This Installation 92

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.

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	ADD TO SOFTWARE SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	141-764	KRSM023009	19,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
ADD TO SOFTWARE SUPPORT FACILITY				14,468
LABORATORY AREA	SM	5,025	2,325	(11,683)
ADMINISTRATIVE AREA	SM	1,710	1,530	(2,616)
ANTITERRORISM FORCE PROTECTION	SM	6,735	25	(168)
SUPPORTING FACILITIES				3,100
UTILITIES	LS			(1,250)
PAVEMENTS	LS			(400)
SITE IMPROVEMENTS	LS			(1,100)
COMMUNICATIONS SUPPORT	LS			(225)
DEMOLITION	SM	1,154	108	(125)
SUBTOTAL				17,568
CONTINGENCY (5.0 %)				878
TOTAL CONTRACT COST				18,446
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,051
TOTAL REQUEST				19,498
TOTAL REQUEST (ROUNDED)				19,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,540)

10. Description of Proposed Construction: Construct a two story addition to building 1515 with reinforced concrete footings, foundation and floor slab, steel frame with masonry walls, and standing seam metal roof. Project includes computer labs and HVAC, administrative areas, utilities, and site work. Demolish two facilities totaling 1,154 SM. Comply with DoD force protection requirements per unified facilities criteria. Air Conditioning: 225 Tons

11. REQUIREMENT: 28,079 SM ADEQUATE: 14,609 SM SUBSTANDARD: 11,179 SM

PROJECT: Add to Software Support Facility. (Current Mission)

REQUIREMENT: An adequately sized and configured software support facility addition is required to provide software engineering to support existing transformational programs undergoing significant growth that include Ground Theater Air Control System (GTACS), Common Aircraft Portable Reprogramming Equipment (CAPRE), Ground Minute Man Test System and the Software Technology Support Center. The mission requirements of development, maintenance, and validation of weapons software, microwave, and combat control shelters, are in a constant state of renovation to accept the newest electronic developments made available from industry and internal upgrades. The facility requirements to accomplish this type of expanded mission must support a software engineering environment to include twelve classified labs with raised floor areas along with a uninterruptible electrical supply, cooling and humidity control, configuration file storage and workstation space to accommodate growth of workloads to support Core and 50/50 legislation, and to meet Core depot level maintenance at Ogden ALC Software Engineering Division. The facility also requires a classified security system, wiring, communication lines, loading dock

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	ADD TO SOFTWARE SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	141-764	KRSM023009	19,500

and receiving area. No alteration to the existing facility is required except for access between the existing and new addition. Comply with DoD force protection requirements per unified facilities criteria.

CURRENT SITUATION: Currently the software program is constrained from supporting increases in future workload due to the lack of space in their existing facilities, the geographic separation of co-dependent functions, and the lack of additional available facility space at Hill AFB. New customer requirements and the expansion of current programs will add 411,600 Direct Product Standard Hours (DPSH) to the existing workload by FY07. Newly acquired programs include software support for the Korean and Greek F-16 weapon systems. Existing transformational programs undergoing significant growth will exceed current facility capacity in FY05 and require temporary facilities without classified laboratory space as an interim solution.

IMPACT IF NOT PROVIDED: Without this addition to the Software Support Facility, this program will not be able to accommodate the additional obligated depot software workload. Much of the software workload will have to be contracted out at a cost of $9.1M per year, placing Core and 50/50 workload Congressional mandates at risk.

ADDITIONAL: This project meets the criteria/scope specified in Air Force handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of a new addition, leasing, and contracting out workload. Based on the net present values and benefits of the respective alternatives, a new addition was found to be the most cost efficient over the life of the project. The requirement for this project was validated by the Joint Service Depot Maintenance Military Construction Review on 15 Aug 01. Base Civil Engineer: Col Michael Falino (801) 777-7505. Admin area: 1,710 SM = 18,400 SF, Laboratory Area: 5,025 SM = 54,000 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	ADD TO SOFTWARE SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	141-764	KRSM023009	19,500

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 Most Recently Used -

(3) All Other Design Costs 975

(4) Construction Contract Award 06 JAN

(5) Construction Start 06 MAR

(6) Construction Completion 07 SEP

(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	3080	2006	1,540

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	F/A-22 AIRCRAFT BATTLE DAMAGE REPAIR TRAINING/STORAGE FAC

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-625	KRSM003004	4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
F/A-22 ABDR TRAINING/STORAGE FACILITY				3,687
ABDR HANGAR	SM	1,473	1,761	(2,594)
ADMIN/SUPPORT AREA	SM	413	1,531	(632)
SHOP/MAINTENANCE AREA	SM	334	1,247	(416)
ANTITERRORISM FORCE PROTECTION	SM	2,220	20	(44)
SUPPORTING FACILITIES				475
UTILITIES	LS			(280)
PAVEMENTS	LS			(70)
SITE IMPROVEMENTS	LS			(75)
COMMUNICATIONS	LS			(50)
SUBTOTAL				4,162
CONTINGENCY (5.0 %)				208
TOTAL CONTRACT COST				4,370
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				249
TOTAL REQUEST				4,619
TOTAL REQUEST (ROUNDED)				4,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(100)

10. Description of Proposed Construction: Construct a two-story medium bay hangar with masonry veneer over a steel frame structure, a reinforced concrete foundation slab, and standing seam metal roof. Facility will include a high bay hangar for aircraft maintenance, a high bay storage area, administrative support, and training classrooms. Provide one classified classroom with secret access required. Provide clean room environment for composite bonding room. Provide a 5-ton overhead crane and all supporting utilities. Comply with DoD Force Protection requirements per unified facilities criteria.

Air Conditioning: 25 Tons

11. REQUIREMENT: 2,220 SM ADEQUATE: 0 SM SUBSTANDARD: 2,221 SM

PROJECT: Construct a F/A-22 aircraft battle damage repair (ABDR) training/storage facility. (New Mission)

REQUIREMENT: A modern ABDR facility is required to train active duty and reserve forces in assessing, analyzing, and repairing battle-damaged aircraft to include the F/A-22, F-16, A-10, and F-117 aircraft. The hangar will be capable of housing one F/A-22 aircraft, with additional space for one F-16, and one A-10 aircraft and have the flexibility to support the F-35 JSF ABDR mission. The facility will meet the security requirements for housing the F/A-22. Comply with DoD Force Protection requirements per unified facilities criteria.

CURRENT SITUATION: The ABDR training operations are currently housed in spaces that were not originally designed for aircraft maintenance related activities. The existing

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. PROJECT TITLE F/A-22 AIRCRAFT BATTLE DAMAGE REPAIR TRAINING/STORAGE FAC	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 171-625	7. PROJECT NUMBER KRSM003004	8. PROJECT COST ($000) 4,600

facility can only house one aircraft at a time. In addition, training aircraft must be disassembled to get into and out of the building through the small building doors. This eliminates the ability to tow these training aircraft to a safe location to utilize explosives to inflict realistic damages for repair practice and year round ABDR exercises. Currently simulated damage to the aircraft is done with a pickax which produces unrealistic battle damage and does not allow the necessary training in areas such as projectile path tracing. The F/A-22 aircraft is too large to fit into the existing area and is not configured to be disassembled to get it through the existing doors. As a result, without a new facility, we will have extreme difficulty in providing trained ABDR teams to support F/A-22 wings for contingency operations thereby impeding operational standup of the units. In addition, the ABDR kit trailers are stored in this facility, and the configuration of the building doors and the loading dock make it very difficult to maneuver these trailers safely. The existing space being used for current training will be returned to the original use (production).

IMPACT IF NOT PROVIDED: ABDR training on the F/A-22 and other composite aircraft cannot be accomplished. This will severly degrade the training on composite aircraft. Simulating real world ABDR will continue to be limited because the aircraft cannot be moved into and out of the facility. Explosives cannot be used to simulate damage to the aircraft, degrading the training of analyzing and repairing explosive damaged aircraft.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, alteration, and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Base Civil Engineer: Col Michael Falino (801) 777-7505. ABDR Hangar: 1,473 SM = 15,850 SF; Admin/Support: 413 SM = 4,445 SF; Shop/Maintenance : 334 SM = 3,580 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	F/A-22 AIRCRAFT BATTLE DAMAGE REPAIR TRAINING/STORAGE FAC

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-625	KRSM003004	4,600

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 230

(4) Construction Contract Award 05 DEC

(5) Construction Start 06 FEB

(6) Construction Completion 07 FEB

(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	3080	2006	100

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

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

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	2253	7361	3589	0	2	0	0	0	306	13,511
END FY 2009	2161	7111	3469	0	2	0	0	0	306	13,049

7. INVENTORY DATA ($000)

a. Total Acreage:	3,440	
b. Inventory Total as of : (30 Sep 04)		1,502,277
c. Authorization Not Yet in Inventory:		24,969
d. Authorization Requested in this Program:		38,665
e. Authorization Included in the Following Program: (FY 2007)		67,000
f. Planned in Next Four Years Program:		19,000
g. Remaining Deficiency:		66,600
h. Grand Total:		1,718,511

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
422-265	F/A-22 Munitions Storage Complex	3,478 SM	20,925	May-04	Sep-05
113-321	Repair Primary Parking Apron/Taxiway	120,208 SM	17,740	Apr-04	Sep-05
		Total	38,665		

9a. Future Projects: Included in the Following Program: (FY2007)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000		
141-454	Distributed Common Ground Station	13,430 SM	47,700	May-05	Sep-06
422-265	F/A-22 Munitions Storage Area Complex	1,222 SM	9,300	May-05	Sep-06
721-312	Replace Dormitory (96 RM)	3,168 SM	10,000	May-05	Sep-06
		Total	67,000		

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

736-771	ADAL Bethel Manor Chapel	358 SM	3,600
113-321	Repair West Parking Apron/Taxiway	33,093 SM	5,700
171-475	Indoor Small Arms Range	2,788 SM	9,700
		Total	19,000

9c. Real Property Maintenance Backlog This Installation: ($M) 119

10. Mission or Major Functions: Headquarters Air Combat Command; a fighter wing with three F-15 fighter squadrons (converting to F/A-22); an intelligence group; Aerospace Command and Control Intelligence, Surveillance and Reconnaissance Center (AC2ISRC), a detachment of the USAF Doctrine Center; and the Air Force Rescue Coordination Center.

11. Outstanding Pollution and Safety (OSHA Deficiencies):

a. Air pollution

b. Water Pollution

c. Occupational Safety and Health

d. Other Environmental

DD Form 1390, 9 Jul 02

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F/A-22 MUNITIONS STORAGE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	422-265	MUHJ063004	20,925

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
MUNITIONS STORAGE COMPLEX				9,028
MUNITIONS ADMINISTRATION	SM	2,323	2,820	(6,551)
5-BAY PGM MAINTENANCE FACILITY	SM	930	2,095	(1,948)
STORAGE IGLOO	SM	225	2,350	(529)
SUPPORTING FACILITIES				9,815
UTILITIES	LS			(800)
PAVEMENTS	LS			(550)
SITE IMPROVEMENTS	LS			(750)
INFRASTRUCTURE UPGRADE	LS			(4,475)
SOIL REMEDIATION	LS			(755)
FIRE PROTECTION UPGRADE	LS			(1,125)
SECURITY UPGRADES	LS			(660)
COMMUNICATION SUPPORT	LS			(450)
ACCESS ROAD	LM	500	500	(250)
SUBTOTAL				18,843
CONTINGENCY (5.0 %)				942
TOTAL CONTRACT COST				19,785
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				1,128
TOTAL REQUEST				20,913
TOTAL REQUEST (ROUNDED)				20,925

10. Description of Proposed Construction: Reinforced concrete floor slab and foundations, finished masonry block and concrete blast walls, standing seam metal roof system, utilities, parking and access road, fire detection/protection, site improvements, landscaping, and communications support. Includes infrastructure upgrade to water, sewage, electrical and road systems; fire protection includes pumphouse and tanks; security upgrades include fencing and entry control point.

Air Conditioning: 55 Tons

11. REQUIREMENT: 3,478 SM ADEQUATE: 0 SM SUBSTANDARD: 1,281 SM

PROJECT: Construct F/A-22 Munitions Storage Complex. (New Mission)

REQUIREMENT: Adequately sized and configured munitions facilities are required to support the beddown of the F/A-22 aircraft. The munitions storage area (MSA), processing and administrative facilities are specifically sized and configured to support an air superiority mission (air-to-air). With the recent additive requirement to make the F/A-22 a multi-roled fighter/attack weapon system (air-to-ground added), additional munitions facility requirements are levied upon the base. In addition, the overall manpower for the MSA is increasing by approximately 125 personnel to accommodate the new requirement. The additional personnel drive the need for more administrative space. In order for the wing to support the F/A-22 mission, considerable facility construction and realignment of munitions in the MSA are required. The addition of air-

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F/A-22 MUNITIONS STORAGE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	422-265	MUHJ063004	20,925

to-ground munitions significantly alters the explosive quantity distance setbacks which require adjustment. Major improvements and upgrades to the MSA utility infrastructure will be necessary to accommodate redevelopment of the area. Force protection complies with minimum DoD standards.

CURRENT SITUATION: The base does not have adequate facilities to conduct safe and efficient handling of air-to-air and air-to-ground munitions in support of F/A-22 operations. The existing conditions in the MSA create a situation that effects personnel safety, security, and operational efficiency. The administrative functions associated with the MSA are presently housed in facilities constructed as horse stables in 1943 and renovated to accommodate administrative personnel. The current facilities will not be adequate to support personnel increases with the assignment of the F/A-22 dual role mission. The storage facilities do not meet current explosive safety requirements due to their roofs being constructed of combustible materials. These facilities do not have the capacity to support the F/A-22 mission. The lack of adequate earth covered storage igloos prevents the storage of the air-to-ground munitions associated with the F/A-22 program, and the maintenance bays are too small to support the additional mission. The existing electrical system is overhead, the area step-down transformer requires continued maintenance, and there is no emergency power generator to support the entire MSA. The MSA is located in a flood-prone area and the site drains predominantly by sheet flow to open ditches and a few drop inlets that discharge through pipe culverts. The inlet piping system is undersized to adequately serve the area.

IMPACT IF NOT PROVIDED: Without these facilities, and improvement to the infrastructure, the base will be unable to support the F/A-22 operations. The lack of these facilities could result in significant degradation in operational capability and increase the potential for a serious mishap. The existing utility systems, infrastructure, and fire protection systems will be undersized and unreliable to support sustained operations at the MSA. The MSA will be non-compliant in the area of fire protection.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared.
Base Civil Engineer: LtCol Richard J. Wheeler (757) 764-2025; (Munitions Administartion: 2,323 SM = 24,995 SF; PGM Maintenance Facility: 930 SM = 10,007 SF; Storage Igloos: 450 SM = 4,842 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	F/A-22 MUNITIONS STORAGE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	422-265	MUHJ063004	20,925

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	03-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	1,256
(b) All Other Design Costs	628
(c) Total	1,884
(d) Contract	1,570
(e) In-house	314

(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 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	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	REPAIR PRIMARY PARKING APRON/TAXIWAY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	MUHJ013003	17,740

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
PRIMARY PARKING APRON/TAXIWAY				13,951
FULL DEPTH CONCRETE REPAIR (18.5")	SM	120,208	73	(8,775)
CONCRETE JOINTS	LM	34,932	8	(279)
AGGREGATE BASE COURSE	CM	76,953	20	(1,539)
EXCAVATION/HAULING	CM	123,562	25	(3,089)
AIRFIELD MARKINGS	LM	134,364	2	(269)
SUPPORTING FACILITIES				2,063
SITE IMPROVEMENTS	LS			(250)
REMEDIATE CONTAMINATED SOIL	CM	72,500	25	(1,813)
SUBTOTAL				16,014
CONTINGENCY (5.0 %)				801
TOTAL CONTRACT COST				16,815
SUPERVISION, INSPECTION AND OVERHEAD (5.7 %)				958
TOTAL REQUEST				17,773
TOTAL REQUEST (ROUNDED)				17,740

10. Description of Proposed Construction: Full depth reconstruction (18.5") of selected Portland Cement Concrete (PCC) slabs on the East Apron and Taxiway Alpha. Includes excavation and hauling of degraded pavements, replacement of base course, repair of concrete joints, airfield markings, remediation of fuel contaminated soils, and site improvements.

11. REQUIREMENT: 260,250 SM ADEQUATE: 140,042 SM SUBSTANDARD: 120,208 SM

PROJECT: Repair Primary Parking Apron and Taxiway Alpha. (Current Mission)

REQUIREMENT: Langley AFB is the established "East Coast Fighter Deployment Base and Aerial Port of Entry/Departure for Follow-on Forces". As such, Langley's support of Operations NOBLE EAGLE, SOUTHERN and NORTHERN WATCH, and ENDURING FREEDOM emphasizes the critical need of ensuring that the airfield and its supporting elements are safe, in good repair, and not in danger of closure due to hazardous conditions. This critical role has generated a requirement for high-quality airfield pavements that are available around-the-clock. Langley's primary parking apron and taxiway must be adequate to support F-15s and transient aircraft such as the B-2, B-1B, C-17, F-16, A-10 and other medium-load aircraft.

CURRENT SITUATION: An ACC Airfield Pavement Assessment rated the primary parking apron and Taxiway Alpha as unsatisfactory. This rating defines a need to replace the pavement or anticipate failures. Parking rows Alpha, Charlie, and Delta were closed for emergency repairs due to massive cracking and spalling. Similar conditions exist throughout the remaining pavements and in-house maintenance personnel are overwhelmed and not capable of sustaining the level of repairs required. On one occasion, a box drain collapsed under the weight of an F-15 doing serious damage to the aircraft landing gear. Spalling and cracking has drastically increased the potential for Foreign Object

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	REPAIR PRIMARY PARKING APRON/TAXIWAY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	MUHJ013003	17,740

Damage (FOD) that can impact multi-million dollar aircraft engines. The daily presence of FOD hazards to aircraft engines is close to warranting complete closure of the primary parking apron. The wing has increased daily FOD walks to prevent costly aircraft damage, but while these efforts have been effective, they are extremely costly and overtaxing on manpower. The frequent presence of maintenance personnel on the ramp performing pavement repairs is a constant impact on F-15 operations. Over the past six years, approximately 30,000 in-house man hours and $45,000 in material cost has been expended on airfield repairs. Also, in the past five years over $1M has been spent on projects to repair the East Apron. These emergency repairs are costly and cannot keep pace with the rate of pavement failure.

IMPACT IF NOT PROVIDED: The East Apron and Taxiway Alpha will further deteriorate and necessitate continued operational inefficiencies, adversely impacting the wing mission and degrading readiness. The base will not be able to effectively perform their assigned mission and fufill the role of "East Coast Fighter Deployment Base and Aerial Port of Entry/Departure for Follow-on Forces". Operations will continue on pavements that pose a hazard to personnel and aircraft. In the event of a catastrophic failure, the ramp or taxiway would be closed to flying and maintenance operations.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Base Civil Engineer: LtCol Richard J. Wheeler, (757) 764-2025; (Apron/Taxiway: 120,208 SM = 1,293,438 SF)

JOINT USE CERTIFICATION: This is an installation/infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LANGLEY AIR FORCE BASE, VIRGINIA	REPAIR PRIMARY PARKING APRON/TAXIWAY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	MUHJ013003	17,740

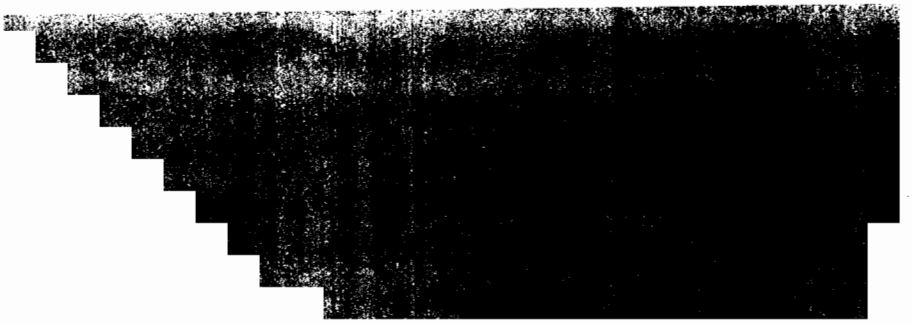
12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	22-APR-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	1,050
(b) All Other Design Costs	525
(c) Total	1,575
(d) Contract	1,313
(e) In-house	262
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	08 FEB

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

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



OUTSIDE THE UNITED STATES

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

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

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	1506	7256	2901	66	946	124	707	1234	181	14,921
END FY 2009	1528	7695	2957	66	946	124	707	1234	181	15,438

7. INVENTORY DATA ($000)		
a. Total Acreage:	5,113	
b. Inventory Total as of : (30 Sep 04)		5,083,054
c. Authorization Not Yet in Inventory:		332,500
d. Authorization Requested in this Program:		11,650
e. Authorization Included in the Following Program:	(FY 2007)	53,150
f. Planned in Next Three Years Program:		91,344
g. Remaining Deficiency:		452,730
h. Grand Total:		6,024,428

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
219-943	Airfield Maintenance Compound	2,079	SM	8,600	Jun-04	Jul-05
216-642	Munitions Maintenance Facility	441	SM	3,050	Jul-04	Sep-05
		Total		11,650		

9a. Future Projects:	Included in the Following Program:	(FY2007)				
113-321	Ramp 1, Phase 2	93,000	SM	27,850	May-05	Jun-06
211-111	C-130 Dual-Bay Maintenance Hangar	6,900	SM	22,000	May-05	Jun-06
442-758	C-130 Aircraft Parts Storage	1,700	SM	3,300	May-05	Jun-06
		Total		53,150		

9b. Future Projects:	Typical Planned Next Three Years:			
141-786	Joint Mobility Processing Center	7,315	SM	20,831
218-712	Age Maintenance Complex	1,360	SM	9,200
422-264	Small Diameter Bombs Facilities, PH. 2	1,350	SM	10,560
721-314	Three Dormitories, 64 PN EA	192	PN	20,300
141-753	Squad OPS/AMU 37AS	3,561	SM	10,600
116-662	PNAF Pad	13,824	SM	4,500
140-000	86 AES Facility	2,020	SM	8,053
214-425	Vehicle Maintenance Facility	2,547	SM	7,300
		Total		91,344

9c. Real Propery Maintenance Backlog This Installation ($M)	314

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:	0

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	AIRFIELD MAINTENANCE COMPOUND

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	219-943	TYFR063093	8,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
AIRFIELD MAINTENANCE COMPOUND				5,017
AIRFIELD MAINTENANCE FACILITY	SM	2,079	2,275	(4,730)
ANTITERRORISM FORCE PROTECTION	SM	2,079	45	(94)
INTERIOR COMMUNICATION SUPPORT	SM	2,079	93	(193)
SUPPORTING FACILITIES				2,685
OIL/WATER SEPARATOR	LS			(70)
WASH RACK WITH FLUID RECYCLING SYSTEM	LS			(75)
DEMOLITION	SM	2,930	95	(278)
EXTERIOR COMMUNICATION SUPPORT	LS			(175)
ENVIRONMENTAL SUPPORT	LS			(49)
PASSIVE FORCE PROTECTION MEASURES	LS			(75)
UTILITIES	LS			(823)
PAVEMENTS	LS			(680)
SITE DEVELOPMENT & IMPROVEMENTS	LS			(460)
SUBTOTAL				7,702
CONTINGENCY (5.0 %)				385
TOTAL CONTRACT COST				8,087
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				526
TOTAL REQUEST				8,613
TOTAL REQUEST (ROUNDED)				8,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(224.0)

10. Description of Proposed Construction: One-story structure with reinforced concrete foundation and floor slab, pre-engineered insulated metal building, roof panel system, roll-up doors and parking lot with oil/water separator and washrack with fluid recycling system. Includes communications support, demolition of one facility (2,930 SM), environmental restoration, fire protection, utilities and regional force protection standards.

11. REQUIREMENT: 3,992 SM ADEQUATE: 1,422 SM SUBSTANDARD: 3,725 SM

PROJECT: Construct Airfield Maintenance Compound. (Current Mission)

REQUIREMENT: A permanent facility of adequate size and configuration is required to provide space for covered storage of equipment and material used to maintain and repair Ramstein AB airfield pavements. In addition, this facility provides for maintenance and minor repair of heavy snow removal equipment, as well as Aircraft Arresting Systems (AAS) components. The facility needs to be in close proximity to the Ramstein AB flightline in order to minimize the response times of these two Civil Engineering functions, vital to base's critical mission. Project must comply with regional anti-terrorism force protection standards. The supporting facilities costs exceed 25% of the primary facilities costs, due to the facility being built in an undeveloped area, requiring extensive utility and communication runs, as well as the demolition of the

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	AIRFIELD MAINTENANCE COMPOUND

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	219-943	TYFR063093	8,600

existing facility with environmental remediation.

CURRENT SITUATION: Existing Snow Barn, building 2348, is too close to the primary runway and in violation of the existing runway airspace criteria (UFC 3-260-01 Airfield and Heliport Planning & Design). Existing exhaust ventilation system, lighting, electrical power outlets, communications and air supply is inadequate. This facility will be demolished as part of this project. The airfield maintenance equipment is currently parked on a gravel parking lot and creates an environmental concern of fluids and grease dripping onto the ground. The AAS Maintenance Shop is currently located in Building 503, on the Northside of the base, which causes a minimum 15-minute response time to the primary runway in case of an aircraft in-flight emergency, as well as time and cost intensive travel routes for the day-to-day maintenance of the AAS by the maintenance personnel.

IMPACT IF NOT PROVIDED: Ramstein's mission critical snow removal fleet will continue to be parked on an inadequate gravel area, increasing contamination of the soil and nearby stream. A violation of the German Water Resources Protection, Paragraph 1.A and the Final Government Standards, Paragraph 4-1, 4-2, 4-19.3, as well as a violation of airspace criteria (UFC 3-260-01 Airfield and Heliport Planning & Design) will continue to exist, not allowing the base to meet the USAF declared goal of waiver-free airfields. AAS Maintenance will continue to be hampered by substandard working conditions and inadequate response times, which could lead to fatal aircraft accidents, due to AAS failures.

ADDITIONAL: This project is not currently eligible for NATO funding. However, a precautionary prefinance statement will be submitted in the event eligibility is established. The space requirements were based on user inputs and a Flightline Area Development Plan study. A preliminary analysis of reasonable options was done and indicated that only one option meets operational requirements. Therefore an economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Col. Carlos R. Cruz-Gonzalez, 011-49-6371-47-6228. (Airfield Maintenance Compound: 2,079 SM = 22,370 SF).

FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .8785

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	AIRFIELD MAINTENANCE COMPOUND

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	219-943	TYFR063093	8,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	11-JUN-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	30-SEP-04
(e) Date Design Complete	31-JUL-05
(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	516
(b) All Other Design Costs	258
(c) Total	774
(d) Contract	645
(e) In-house	129

(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 FEB

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
OVERHEAD HOIST	3080	2006	106
COMMUNICATIONS EQUIPMENT	3400	2006	118

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	MUNITIONS MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27248	216-642	TYFR063122	3,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
MUNITIONS MAINTENANCE FACILTY				1,612
CONVENTIONAL MUNITIONS SHOP	SM	441	3,327	(1,467)
ANTITERRORISM/FORCE PROTECTION	SM	441	303	(133)
INTERIOR COMMUNICATION SUPPORT	SM	441	26	(11)
SUPPORTING FACILITIES				1,091
UTILITIES	LS			(174)
PAVEMENTS	LS			(123)
SITE IMPROVEMENTS	LS			(139)
PASSIVE FORCE PROTECTION MEASURES	LS			(62)
EXTERIOR COMMUNICATION SUPPORT	LS			(450)
STORMWATER DRAINAGE	LS			(52)
LIGHTNING PROTECTION	LS			(37)
ENVIRONMENTAL SUPPORT	LS			(55)
SUBTOTAL				2,703
CONTINGENCY (5.0 %)				135
TOTAL CONTRACT COST				2,838
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				184
TOTAL REQUEST				3,023
TOTAL REQUEST (ROUNDED)				3,050
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(62.0)

10. Description of Proposed Construction: All civil, structural, electrical, utility and communication work necessary for the construction of a munitions maintenance facility with reinforced concrete footings, floor slab, reinforced walls and roof, as well as special steel roll-up doors. Scope includes environmental support, pavements, and all other necessary support. Facility will be equipped with fire suppression and security alarms, lightning protection, back-up power, as well as sound attenuated electrical, heating, and climate control systems. Includes regional force protection standards and must be in compliance with current Department of Defense Explosive Safety Board (DDESB), and valid German regulations for such facilities, as well as Director of Central Intelligence Directive (DCID) 6/9.

Air Conditioning: 35 Tons

11. REQUIREMENT: 441 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM

PROJECT: Construct Munitions Maintenance facility. (New Mission)

REQUIREMENT: An adequately sized and configured Munitions Maintenance Facility (MMF) is required for the efficient and secure maintenance of new weapon systems within the USAFE AOR. These systems will be implemented starting in FY06 in order to provide sufficient warfighting capabilities within the European theater, Africa, as well as the Middle East region. The maintenance facility needs to provide space for adequate testing, inspection and minor repair of these new weapon systems, promoting a safe work

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	MUNITIONS MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27248	216-642	TYFR063122	3,050

environment and minimizing potential mishaps. Project must comply with regional AT/FP standards. The supporting facilities costs exceed 20% of the primary facilities costs, due to the facility being built in an undeveloped, low lying area that requires extensive site work with long utility and communication runs.

CURRENT SITUATION: Ramstein AB does not have a MMF to accommodate the maintenance functions of these new weapon systems. The base is the central airlift hub for the European and Middle East regions, for all personnel, materials and supplies, as well as weapons, being transported from and back to CONUS via airlift in support of contingencies and wartime operations, i.e. Operations IRAQI FREEDOM in Iraq, or ENDURING FREEDOM in Afghanistan. Therefore the weapon storage and maintenance capabilities at Ramstein AB are exhausted. A preliminary study conducted in order to provide different options to rectify this shortfall, explored that renovation of other existing mission facilities to meet required specifications and standards would exceed 70% of the facility replacement cost. Therefore the new construction alternative was chosen.

IMPACT IF NOT PROVIDED: Without this project, the support of contingencies and wartime operations within European and Middle East theaters will be severely hampered, due to non-existing maintenance and support facilities for these new weapon systems. Weapons will need to be brought in-theater directly from CONUS via airlift, possibly leading to extended operation delays and jeopardizing mission success.

ADDITIONAL: This project is not currently eligible for NATO funding. However, a precautionary prefinance statement will be submitted in the event eligibility is established. This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements". A preliminary analysis of reasonable options was done and indicated that only one option meets operational requirements. Therefore an economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Col. Carlos R. Cruz-Gonzalez, 011-49-6371-6228. (Munitions Maintenance Facility: 441SM = 4,746SF)

FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .8785

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAMSTEIN AIR BASE, GERMANY	MUNITIONS MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27248	216-642	TYFR063122	3,050

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	16-JUL-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	15-SEP-05
(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	183
(b) All Other Design Costs	91
(c) Total	274
(d) Contract	228
(e) In-house	46

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

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
2-TON HOIST	3400	2006	23
COMMUNICATION EQUIPMENT	3400	2006	14
POWER CONDITIONING EQUIPMENT	3400	2006	21
AIR COMPRESSOR	3400	2006	4

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY	4. COMMAND: UNITED STATES AIR FORCES, EUROPE	5. AREA CONST COST INDEX 1.23

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 04	362	4061	772	0	0	0	1	0	178	5,374
END FY 2009	368	4294	804	0	0	0	1	0	178	5,645

7. INVENTORY DATA ($000)		
a. Total Acreage:	1,616	
b. Inventory Total as of : (30 Sep 04)		1,658,799
c. Authorization Not Yet in Inventory:		127,000
d. Authorization Requested in this Program:		12,474
e. Authorization Included in the Following Program: (FY 2007)		0
f. Planned in Next Three Years Program:		92,427
g. Remaining Deficiency:		0
h. Grand Total:		1,890,700

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
730-839	Large Vehicle Inspection Station	9,047 SM	5,374	Jun-04	Jul-05
149-962	Control Tower	724 SM	7,100	Jun-04	Sep-05
		Total	12,474		

9a. Future Projects: Included in the Following Program: (FY 2007)

No projects in FY2007 program

		Total	0

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

141-786	Mobility Processing Center	1,485 SM	6,000
171-815	Airman Leadership School	1,181 SM	3,750
610-129	Munitions Maintenance Facility	905 SM	1,550
742-674	Fitness Center	6,950 SM	17,793
610-128	Expeditionary Support Complex	9,600 SM	10,000
730-784	Middle/High School Complex	13,648 SM	35,334
730-784	Elementary School Addition	6,570 SM	18,000
		Total	92,427

9c. Real Propery Maintenance Backlog This Installation ($M) 66

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-16 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	LARGE VEHICLE INSPECTION STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	730-839	VYHK043210	5,374

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
LARGE VEHICLE INSPECTION STATION				2,911
LARGE VEHICLE INSPECTION STATION	SM	630	1,244	(784)
SOUTH GATE ENTRY CONTROL FACILITY	SM	217	2,759	(599)
SOUTH GATE ACCESS ROAD	SM	8,200	113	(927)
INTERIOR COMMUNICATIONS SUPPORT	EA	2	27,200	(54)
ANTITERRORISM FORCE PROTECTION	SM	847	646	(547)
SUPPORTING FACILITIES				1,874
UTILITIES	LS			(545)
PAVEMENTS	LS			(319)
SITE IMPROVEMENTS	LS			(464)
COMMUNICATION SUPPORT	LS			(209)
PASSIVE FORCE PROTECTION MEASURES	LS			(337)
SUBTOTAL				4,785
CONTINGENCY (5.0 %)				239
TOTAL CONTRACT COST				5,024
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				327
TOTAL REQUEST				5,350
TOTAL REQUEST (ROUNDED)				5,374

10. Description of Proposed Construction: Construct concrete, steel and CMU block large vehicle inspection station with inspection pits; CMU block pass & ID facility with office area, passenger segregation area, restrooms, dog kennel, overwatch tower, utilites, fire protection system and security alarm; asphalt multi-lane primary traffic road with new steel sentry gate; asphalt parking and site improvements. Includes minimum DoD and EUCOM force protection standards.

11. REQUIREMENT: 496 SM ADEQUATE: 62 SM SUBSTANDARD: 4 SM

PROJECT: Construct large vehicle inspection station. (Current Mission)

REQUIREMENT: A new gate sized/configured for large trucks and equipment is required to support the new mobility/cargo mission as well as existing mission requirements. An adequately sized and configured large vehicle security inspection station is required for security inspections of all large vehicles in accordance with current Antiterrorism/Force Protection (AT/FP) measures and standards, directed by COMEUCOM following the terrorist attacks on 9/11. Cost of supporting facilities exceeds 25% of the primary facilities due to high utilities connection costs of the remote site location and the amount of site development required.

CURRENT SITUATION: The current gate consists of only a temporary road and tent cover for vehicle inspections. The inspection station does not meet any of the current force protection requirements and there is currently no adequate means of inspecting large vehicles for explosives prior to entering the base. The road's load bearing capacity is not strong enough to support the large number of 70-ton vehicles involved with the new

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	LARGE VEHICLE INSPECTION STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	730-839	VYHK043210	5,374

air mobility mission. The existing lanes are too narrow and the turning radius is not adequate to accommodate long/oversized vehicles. Security forces personnel currently perform large vehicle inspections on the south side of the base, in an unimproved area. The location is not adequately sized or configured for proper inspections. Security personnel are not protected from onlookers, potential intruders, or inclement weather. Due to these conditions and the high volume of large vehicle traffic, the security forces are not able to adequately implement a Large Vehicle Search Program for explosive devices. These inadequacies severely degrade the installation's security posture and limit inbound large vehicle traffic.

IMPACT IF NOT PROVIDED: Failure to construct this new large vehicle inspection station and the perimeter road connections will increase the possibility of terrorist strikes and reduce the personal safety of all Spangdahlem personnel. The ability to detect and deter the terrorist threat within the Spangdahlem Military Community is hindered, which reduces the effectiveness of existing resources. The overall equipment and cargo transportation to and from the new aircraft parking apron will have to be performed on unimproved grounds, undersized roads, and in open view of potential terrorists.

ADDITIONAL: This project is not currently eligible for NATO funding. However, a precautionary pre-finance statement will be filed in the event eligibility is established. There is no space criteria established in AFH 32-1084 for a large vehicle inspection station. The scope is based on an installation requirements study validated by the user. A preliminary analysis of reasonable options was done and indicates only one option meets operational requirements. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Kurt J. Kaisler, 011-49-6565-6302. (South Gate Entry Control Facility: 217 SM = 2,336 SF; LVIS: 630 SM = 6779 SF).

FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .8785

JOINT USE CERTIFICATION: This is an installation utility/infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation will benefit by this project.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	LARGE VEHICLE INSPECTION STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	730-839	VYHK043210	5,374

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	07-JUN-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	01-SEP-04
(e) Date Design Complete	31-JUL-05
(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	322
(b) All Other Design Costs	161
(c) Total	483
(d) Contract	403
(e) In-house	80

(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 FEB

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

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	CONTROL TOWER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	149-962	VYHK013202	7,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CONTROL TOWER				4,519
CONTROL TOWER	SM	724	5,980	(4,330)
ANTITERRORISM/FORCE PROTECTION	SM	724	262	(190)
SUPPORTING FACILITIES				1,812
PAVEMENTS	LS			(195)
SITE IMPROVEMENTS	LS			(262)
LANDSCAPING	LS			(25)
COMMUNICATIONS SUPPORT	LS			(1,155)
PASSIVE FORCE PROTECTION MEASURES	LS			(175)
SUBTOTAL				6,331
CONTINGENCY (5.0 %)				317
TOTAL CONTRACT COST				6,648
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				432
TOTAL REQUEST				7,080
TOTAL REQUEST (ROUNDED)				7,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(200.0)

10. Description of Proposed Construction: New control tower to include: tower cab, flight commander office, administrative offices, training rooms, bathrooms and support areas. Reinforced concrete foundation and floor slab, supporting superstructure, all pavements, fire protection, elevator, utilities, and necessary support facilities. Includes DoD and EUCOM force protection standards.

Air Conditioning: 50 Tons

11. REQUIREMENT: 724 SM ADEQUATE: 0 SM SUBSTANDARD: 430 SM

PROJECT: Construct Aircraft Control Tower (ATC). (Current Mission)

REQUIREMENT: A tower cab large enough to accommodate ten personnel, including Supervisor of Flying and all necessary ATC and support equipment. Cab must have sufficient elevation to provide an unobstructed view of the entire airfield. At least two training rooms, one of which must be at least 20' by 20' to adequately house the $400K tower simulator. Adequate parking for at least 20 vehicles. Minimum three floors for administrative offices. External elevator to maximize office space. Air conditioning is required throughout the building because of simulator equipment requirements and also because of the tower's close proximity to the runway and extreme noise levels caused by fighter aircraft operations. Includes minimum DoD force protection standards. Cost of supporting facilities exceed 25% of the primary facilities due to high communication connection costs because of the site location and ATC function of the facility.

CURRENT SITUATION: The existing control tower was constructed in 1954 and was designed to hold three personnel; current operations require at least five personnel in the facility plus two to four trainees and a supervisor of flying. Changes in equipment and

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	CONTROL TOWER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	149-962	VYHK013202	7,100

manning have resulted in severe overcrowing and the need to place new equipment around the window ledges, which obstructs the controller's view. Current cab windows are designed and pitched outward at an angle which causes severe reflection of interior lighting, significantly reducing nighttime visibility as well as limiting controller's ability to maintain visual contact with aircraft operating in the patterns. Current HVAC is installed behind the cab and completely restricts the controller's visibility to the west. Current height of the cab does not provide unobstructed view of the aerodrome in any direction. Major portions of taxiways and critical areas at both ends of the aerodrome are totally obscured. The 2000 ATSEP report indicates that "Although maintained in excellent condition, the height and location of the tower does not provide controllers with optimum visibility of the entire airfield environment." Assumption of an airlift mission under the Rhein-Main Transition Program further highlights the need for controllers to be able to view the entire airfield.

IMPACT IF NOT PROVIDED: Overcrowded cab conditions are already impacting ATC operations through increased noise levels and lack of space to properly train. The proximity of equipment to the window is a serious safety hazard and would be alleviated through increased console area. The inability to see the entire aerodrome and patterns jeopardizes a controller's ability to mitigate the risk of air/ground collisions - this has been highlighted at least twice in the last 12 months when vehicles either entered the movement area or drove in front of taxiing aircraft from visual blind spots. Additional "blind spots" will be created by 2005 when construction of the new apron and taxiways on the south side of the airfield is complete and operations begin.

ADDITIONAL: This project is not currently eligible for NATO funding. However, a precautionary pre-finance statement will be filed in the event eligibility is established. This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done and it indicates there is only one option that will meet operational requirements. A certificate of exception is being prepared for this project. Force protection measures will be considered IAW USAFE Installation Force Protection Guide. Base Civil Engineer: Lt Col Kurt Kaisler, 011-49-6565-61-6302. (724 SM = 7,793 SF)

FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .8785

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SPANGDAHLEM AIR BASE, GERMANY	CONTROL TOWER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	149-962	VYHK013202	7,100

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	11-JUN-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15 %
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	15-SEP-05
(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 -	TRAVIS
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($000)
(a) Production of Plans and Specifications	426
(b) All Other Design Costs	213
(c) Total	639
(d) Contract	532
(e) In-house	107
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 FEB

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
TOWER EQUIPMENT MOVE	3400	1990	100
COMM LAN/VOICE EQUIP	3400	2000	90
COMM FEEDER/FRAME	3400	2000	10

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
ANDERSEN AIR FORCE BASE GUAM	PACIFIC AIR FORCES	2.02

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	248	2,215	1,008	0	0	0	161	866	832	5,330
END FY 2009	239	2,136	819	0	0	0	161	866	832	5,053

7. INVENTORY DATA ($000)

Total Acreage:	15,891	
Inventory Total as of : (30 Sep 04)		4,160,476
Authorization Not Yet in Inventory:		61,600
Authorization Requested in this Program:		18,500
Authorization Included in the Following Program:	(FY 2007)	71,100
Planned in Next Three Years Program:		68,519
Remaining Deficiency:		102410
Grand Total:		4,482,605

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
730-841	Joint AF/USDA Working Dog Facility	310 SM	3,500	Jul-04	Sep-05
422-264	AEF FOL Munitions Storage Igloos	3,567 SM	15,000	May-04	Aug-05
		Total	18,500		

9a. Future Projects: Included in the Following Program: (FY2007)

211-111	Global Hawk Aircraft Maint & Ops Complex	6,734 SM	47,000	May-05	Sep-06
141-782	Air Freight Terminal Complex	3,062 SM	12,100	Design Build	
832-266	Upgr Northwest Field Infrastructure, Ph 1	1 LM	12,000	May-05	Sep-06
		Total	71,100		

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

832-266	Upgr Northwest Field Infrastructure, Ph 2	33,255 LM	9,600
111-111	AEF FOL Repair South Runway, Ph 1	162,000 SM	20,800
872-247	Const AT/FP Perimeter Fence/Road, Ph1	4,892 LM	2,726
422-258	AEF FOL Munitions Storage Igloos, Ph 2	2,162 SM	16,000
872-247	Const AT/FP Perimeter Fence/Road, Ph2	5,194 LM	2,893
422-264	AEF FOL Munitions Storage Igloos, Ph 3	2,162 SM	16,500
		Total	68,519

9c. Real Property Maintenance Backlog This Installation ($M) 75

10. Mission or Major Functions: A host air base wing supporting Headquarters, Thirteenth 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	0

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDERSEN AIR FORCE BASE, GUAM	JOINT AF/USDA WORKING DOG FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
22176	730-841	AJJY500346	3,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
JOINT WORKING DOG KENNEL FACILITY				2,235
WORKING DOG KENNELS AND SUPPORT AREAS	SM	583	2,989	(1,743)
FENCED TRAINING/EXERCISE/TRANSFER AREAS	SM	4,450	65	(289)
STORAGE BUILDING	SM	75	815	(61)
OUTDOOR DOG RUNS	SM	134	495	(66)
ANTITERRORISM/FORCE PROTECTION	SM	583	130	(76)
SUPPORTING FACILITIES				914
SITE IMPROVEMENTS	LS			(304)
UTILITIES	LS			(225)
PAVEMENTS	LS			(190)
COMMUNICATIONS	LS			(17)
DEMOLITION/REMEDIATION	SM	284	188	(53)
ARCHAEOLOGICAL MONITORING	LS			(125)
SUBTOTAL				3,149
CONTINGENCY (5.0 %)				157
TOTAL CONTRACT COST				3,307
SUPERVISION, INSPECTION AND OVERHEAD (6.2 %)				205
TOTAL REQUEST				3,512
TOTAL REQUEST (ROUNDED)				3,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(375.0)

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls, roof slab, eighteen individual indoor/outdoor dog run kennels and support space consisting of areas for food preparation, dog examination/treatment, training, office space, meeting rooms, latrines, showers, lockers, tack room, storage, mechanical rooms, fenced break, training and obedience course areas which are double gated for vehicle entry. Includes an exterior storage building with utilities. Demolish the existing kennel facilities (284 SM) and perform hazardous materials remediation; install lights for obedience/training courses, provide archaeological monitoring and all necessary support functions, pavements, communications, and utilities including fire detection/suppression and antiterrorism force protection measures.

Air Conditioning: 7 Tons

11. REQUIREMENT: 583 SM ADEQUATE: 0 SM SUBSTANDARD: 284 SM

PROJECT: Construct a joint-use working dog facility for Air Force security forces and U.S. Department of Agriculture (USDA) Wildlife Services (WS). (Current Mission)

REQUIREMENT: Provide adequate facilities to shelter, train, and treat 6 USAF military working dogs (MWD) and 12 USDA-WS brown tree snake (BTS) control working dogs. The military dogs are required for explosive/narcotic detection and antiterrorism force protection; while the WS dogs are needed for brown tree snake detection and interdiction

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDERSEN AIR FORCE BASE, GUAM	JOINT AF/USDA WORKING DOG FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
22176	730-841	AJJY500346	3,500

on base. The Air Force must ensure that brown tree snakes are not inadvertently transported from Guam to other areas, particularly places like Hawaii where many species are without natural defenses and extremely vulnerable to these predators. The BTS could utterly destroy many rare species if it were permitted to establish itself on other Pacific Islands. Because the missions, characteristics and needs of the MWDs and the BTC dogs are often different, some separate areas are required for the agency-unique management and specialized training requirements of the two types of dogs and their handlers.

CURRENT SITUATION: The existing kennel at Andersen AFB is a forced use, unsatisfactory facility that continually fails health inspections due to multiple deficiencies. The facility was built in 1964 and fails to meet minimum health standards in a number of critical areas. The kennels are under-sized by 30% for military working dogs. The waste drainage system is almost totally useless. Poor floor construction slopes to the front of kennels causing dogs to pass through waste resulting in constant infections to the pads of the dogs' feet. Many cracks in the foundation breed disease-spreading bacteria. The external drainage system leaves standing contaminated water around the kennels from an inadequate septic system. Isolation kennels are located adjacent to the food preparation area, greatly increasing the risk of spreading disease among the dogs. During heavy rains flooding of the facility introduces feces from deer, wild hogs, and other animals. The facility has suffered two Giardia outbreaks over the last two years which incapacitated half of the dogs. There is a second group of federal government working dogs currently using this deplorable facility. United States Department of Agriculture (USDA) Wildlife Services (WS) supports Andersen's mission operations with brown tree snake control and interdiction services using their own working dogs. Brown tree snakes were introduced to Guam after World War II in military transports from their native Solomon Islands. Without natural enemies on Guam, the BTS population has run rampant and become a major ecological, health and safety problem. This venomous predator has virtually wiped out Guam's native bird population, sending 9 of 11 bird species to extinction. This snake also bites humans and climbs power lines causing regular, costly and hazardous power failures. WS operations annually interdict 6,000-7,000 snakes in the area of Andersen AFB.

IMPACT IF NOT PROVIDED: Lack of sufficient MWDs, a crucial antiterrorism force protection asset, will place Andersen's mission, personnel, and resources in jeopardy. A proven force-multiplier, K-9s will not be adequately available to support the overstressed security forces career field. If allowed to remain in the existing substandard facility, the morale and performance of these crucial security forces will continue to deteriorate, adversely impacting their ability to support the vital mission of this Air Expeditionary Wing pre-positioned in the Pacific for rapid global reach. The current facility is, however, so poor that there is a high risk the veterinarian may no longer accept stopgap measures to correct deficiencies and de-certify it for occupancy by the dogs. If this happens, these MWDs will have to be sent back to Lackland AFB, TX. Further, due to planned Air Force activities and movement to and from Guam, which are estimated to as much as triple in the next 5 years, the risk of heightened exposure of Hawaii and other locations to the devastating introduction of BTS will continue to grow. The Air Force may not be sufficiently prepared for the increased threat of brown tree snake dispersal as a result of military expansion plans. If allowed to spread to Hawaii and other Pacific island locations, catastrophic results

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDERSEN AIR FORCE BASE, GUAM	JOINT AF/USDA WORKING DOG FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
22176	730-841	AJJY500346	3,500

similar to what has happened on Guam would ensue. Hawaii and the Mariana islands have no native snakes and their endangered bird populations would suffer disastrous consequences should brown tree snakes become established as a result of inadvertent introduction via military transport.

ADDITIONAL: The location of the existing kennel is preventing the use of four essential aircraft parking spots for munitions loading. During contingency operations these parking spots cannot be used for munitions loading because they create an explosive arc that cuts through the existing kennel. In FY04 an unforeseen plus up of 10 additional military working dogs was realized at Andersen AFB. An emergency P-341 project, AJJY973105, was created to meet the requirement; however, the original six military working dogs and all of the brown tree snake control dogs remain housed in the existing substandard facility. Base Civil Engineer: LtCol Marvin Smith, (671) 366-7101. Joint working dog facility: 583 SM = 6,276 SF.

JOINT USE CERTIFICATION: The facility can be used by other components on an as available basis. The scope is, however, based on joint use by the United States Air Force and the United States Department of Agriculture to meet their missions on Andersen AFB.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDERSEN AIR FORCE BASE, GUAM	JOINT AF/USDA WORKING DOG FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
22176	730-841	AJJY500346	3,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	16-JUL-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	31-AUG-04
(e) Date Design Complete	02-SEP-05
(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	210
(b) All Other Design Costs	105
(c) Total	315
(d) Contract	263
(e) In-house	52
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 FEB

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS/EQUIPMENT	3400	2006	325
COMMUNICATIONS EQUIPMENT	3400	2006	50

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDERSEN AIR FORCE BASE, GUAM	AEF FOL MUNITIONS STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	422-264	AJJY073105P1	15,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
MUNITIONS STORAGE IGLOOS				9,314
CONSTRUCT MUNITIONS IGLOOS	SM	2,162	4,123	(8,914)
ANTITERRIORISM FORCE PROTECTION	SM	2,162	185	(400)
SUPPORTING FACILITIES				4,137
UTILITIES	LS			(1,460)
FIRE PROTECTION	LS			(550)
COMMUNICATIONS	LS			(515)
SITE IMPROVEMENTS	LS			(987)
ENVIRONMENTAL REMIDIATION	LS			(575)
ARCHAEOLOGICAL MONITORING	LS			(50)
SUBTOTAL				13,451
CONTINGENCY (5.0 %)				673
TOTAL CONTRACT COST				14,123
SUPERVISION, INSPECTION AND OVERHEAD (6.2 %)				876
TOTAL REQUEST				14,999
TOTAL REQUEST (ROUNDED)				15,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(250.0)

10. Description of Proposed Construction: Reinforced concrete foundation, rated 7-bar construction, floor slabs, columns, beams, lighting and electrical support, fire protection system, lightning protection system, intruder detection system, and all necessary supporting utilities for complete and usable facilities. Includes antiterrorism/force protection requirements identified in the DoD Unified Facilities Criteria.

11. REQUIREMENT: 35,144 SM ADEQUATE: 24,444 SM SUBSTANDARD: 0 SM

PROJECT: Construct munitions storage igloos. (Current Mission)

REQUIREMENT: Adequately sized, configured, sited and protected munitions storage igloos to meet Defense Planning Guidance and PACOM OPLAN munitions mission requirements. These igloos support forward-positioned munitions at this strategic overseas AEF FOL bomber installation and are a force multiplier in the Global War on Terrorism.

CURRENT SITUATION: In April 2002, the USAF Safety Center classified 132 existing 1950s munitions igloos as "undefined" due to faulty door design, thus downgrading these facilities to non-standard type operations. This, compounded by deterioration of the facilities and their loss of earth cover caused by super typhoons, caused the Net Explosive Weight (NEW) to be reduced from 49.5 million pounds to 37.5 million pounds for a total reduction of 12 million pounds--a 24% reduction in capacity. A joint Pacific Air Forces/wing munitions squadron assessment of the munitions storage capability was conducted. The assessment identified a shortfall of 60 munitions storage igloos. These igloos are needed to meet the munitions mission required by the War Consumables Distribution Objectives document, Defense Planning Guidance, and PACOM OPLANs.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDERSEN AIR FORCE BASE, GUAM	AEF FOL MUNITIONS STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	422-264	AJJY073105P1	15,000

IMPACT IF NOT PROVIDED: Lack of adequate munitions storage will continue to limit essential forward-positioned munitions storage capability needed to support AEF FOL operations. The inability to properly store new weapons systems at Andersen AFB will deprive PACAF of immediate access to selected munitions to meet changing AEF FOL taskings and bomber sortie generation. These munitions support on-going operations to include Operations ENDURING FREEDOM (OEF), IRAQI FREEDOM (OIF) and NOBLE EAGLE (ONE).

ADDITIONAL: This project is the first phase of a three-phase 60 igloo requirement totaling approximately $45M to provide adequate storage for new highly sophisticated munitions at this strategic forward-positioned installation. This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirement; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Antiterrorism force protection features will be in accordance with local threat assessment. Wing Weapons Safety and Munitions Flight have coordinated on the explosive siting. BASE CIVIL ENGINEER: Lt Col Marv Smith, (671) 366-7101. (Munitions Storage Igloos: 3,567 SM = 38,381 SF).

JOINT USE CERTIFICATION: These facilities 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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDERSEN AIR FORCE BASE, GUAM	AEF FOL MUNITIONS STORAGE IGLOOS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	422-264	AJJY073105P1	15,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	18-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-AUG-05
(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	900
(b) All Other Design Costs	450
(c) Total	1,350
(d) Contract	1,125
(e) In-house	225
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 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:

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ALARM SYSTEMS	3080	2006	250

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
AVIANO AIR BASE, ITALY	UNITED STATES AIR FORCES, EUROPE	1.26

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	432	3806	647	0	0	0	71	309	584	5,849
END FY 2009	429	3855	634	0	0	0	71	309	584	5,882

7. INVENTORY DATA ($000)

a. Total Acreage:	1,328	
b. Inventory Total as of : (30 Sep 04)		1,336,217
c. Authorization Not Yet in Inventory:		84,350
d. Authorization Requested in this Program:		22,660
e. Authorization Included in the Following Program: (FY 2007)		0
f. Planned in Next Three Years Program:		20,800
g. Remaining Deficiency:		26,040
h. Grand Total:		1,490,067

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
610-243	Consolidated Support Center Facility	2,465 SM	10,850	Jul-04	Sep-05
442-758	Air Control Squadron Warehouse	2,120 SM	7,800	Jul-04	Sep-05
740-253	Family Support Center	776 SM	4,010	Jul-04	Aug-05
		Total	22,660		

9a. Future Projects: Included in the Following Program: (FY2007)
No projects in FY2007

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

113-321 FY2008	North Ramp Ph I	6,116 SM	1,500
130-142 FY2009	Satellite Crash Fire Station	503 SM	1,700
852-262 FY2009	Area 1 Parking Garage	385 SP	9,300
730-773 FY2010	Chapel Center	2,218 SM	8,300
		Total	20,800

9c. Real Propery Maintenance Backlog This Installation ($M) 61

10. Mission or Major Functions: A host fighter wing with two F-16 squadrons, and Headquarters Sixteenth 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	0

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AVIANO AIR BASE, ITALY	CONSOLIDATED SUPPORT CENTER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	610-243	ASHE043007	10,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CONSOLIDATED SUPPORT CENTER				7,666
ADMINISTRATION	SM	2,465	2,700	(6,656)
ANTITERRORISM/FORCE PROTECTION	SM	2,465	280	(690)
INTERIOR COMMUNICATIONS SUPPORT	SM	2,465	130	(320)
SUPPORTING FACILITIES				1,871
UTILITIES	LS			(425)
COMMUNICATIONS SUPPORT	LS			(125)
SITE IMPROVEMENTS	LS			(240)
PAVEMENTS	LS			(750)
PASSIVE FORCE PROTECTION	LS			(175)
DEMOLITION	SM	366	425	(156)
SUBTOTAL				9,537
CONTINGENCY (5.0 %)				477
TOTAL CONTRACT COST				10,014
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				651
TOTAL REQUEST				10,664
TOTAL REQUEST (ROUNDED)				10,850
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,130.0)

10. Description of Proposed Construction: A new two-story building with reinforced concrete foundation and structure, stucco exterior with masonry walls, and clay tile roof. Project includes electrical, mechanical, fire protection, site work, landscaping, pavement, demolition, relocation of manhole system, and necessary utilities to support administrative functions. Communication manhole conduit system, wiring, and antennas must also be rerouted. Includes regional force protection standards. Facility must be designed with noise attenuation measures because of its proximity to runway. Demolishes three facilities (366 SM).

Air Conditioning: 150 Tons

11. REQUIREMENT: 2,466 SM ADEQUATE: 0 SM SUBSTANDARD: 1,775 SM

PROJECT: Construct Consolidated Support Center (CSC). (Current Mission)

REQUIREMENT: An adequate and functional facility to support the consolidation of administrative functions. AT/FP costs on this project are higher than standard DoD guidance due to stricter EUCOM force protection standards requiring thicker glass.

CURRENT SITUATION: There is presently no facility on base with sufficient space and of adequate condition to support the consolidation of several critical administrative and support functions. These activities include Safey, Inspector General, Travel Management Office, Military Equal Opportunity, Civilian Personnel Office (CPO), Area Defense Counsel (ADC), Historian, and Wing Inspections Office. These functions are located in several small, geographically separated facilities and need to be consolidated into one central multi-story facility to improve land use, command and control, and customer

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AVIANO AIR BASE, ITALY	CONSOLIDATED SUPPORT CENTER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	610-243	ASHE043007	10,850

responsiveness. Aviano's base population has more than doubled, from 2,000 to over 5,000 personnel, in a few short years. Most of the existing administration spaces were obtained by adapting old dorms, relocatables, or maintenance shops that do not reflect the space characteristics indicative of modern and efficient areas. Several of these facilities are dispersed geographically and approximately 10 miles away from their primary customers.

IMPACT IF NOT PROVIDED: Without a new consolidated facility, the above mentioned functions will continue to be performed from substandard and geographically separated facilities, greatly impacting the quality and the standard of operation and services for the base. Base personnel will continue to expend countless hours traveling from site to site to conduct their business with various agencies. In addition, several functions will be displaced by future Aviano 2000 NATO construction projects leaving them without facilities.

ADDITIONAL: The project is currently not eligible for NATO funding. This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements". An economic analysis has been completed. Design and construction must be completed IAW Italian laws and norms and will be designed and constructed to meet the stricter of Italian or US standards. Base Civil Engineer: Lt Col Joseph E. Castro, 0039-0434-665720. (Consolidated Support Center: 2,465 SM = 26,544 SF).

FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .8785

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AVIANO AIR BASE, ITALY	CONSOLIDATED SUPPORT CENTER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	610-243	ASHE043007	10,850

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	16-JUL-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	31-AUG-04
(e) Date Design Complete	02-SEP-05
(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	522
(b) All Other Design Costs	261
(c) Total	783
(d) Contract	653
(e) In-house	131

(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 JUN

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
SYSTEMS FURNITURE	3400	2007	80
COMPUTER HARDWARE	3400	2007	50
COMMUNICATIONS EQUIPMENT	3400	2006	1,000

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AVIANO AIR BASE, ITALY	AIR CONTROL SQUADRON WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	442-758	ASHE013007	7,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
AIR CONTROL SQUADRON WAREHOUSE				3,612
ACS WAREHOUSE	SM	2,000	1,550	(3,100)
ADMIN AREA	SM	120	3,250	(390)
ANTITERRORISM FORCE PROTECTION	SM	2,120	57	(122)
SUPPORTING FACILITIES				3,342
PAVEMENTS	SM	20,000	95	(1,900)
DEMOLITION	SM	1,300	65	(85)
UTILITIES	LS			(464)
SITE IMPROVEMENTS	LS			(545)
COMMUNICATIONS	LS			(116)
PASSIVE FORCE PROTECTION	LS			(232)
SUBTOTAL				6,953
CONTINGENCY (5.0 %)				348
TOTAL CONTRACT COST				7,301
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				475
TOTAL REQUEST				7,776
TOTAL REQUEST (ROUNDED)				7,800
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(53.0)

10. Description of Proposed Construction: Steel reinforced concrete foundations and floor slabs. Steel reinforced concrete building with sloped clay tile roof system, temperature control equipment, concrete pavement 20 cm (7.9 inches), utilities, and necessary communications support. Demolishes two temporary facilities (1,300 SM). Includes a concrete mezzanine, office space for eight personnel, and regional force protection standards.

Air Conditioning: 10 Tons

11. REQUIREMENT: 69,964 SM ADEQUATE: 20,673 SM SUBSTANDARD: 22,864 SM

PROJECT: Construct an air control squadron (ACS) warehouse. (Current Mission)

REQUIREMENT: An adequately sized warehouse with administrative space for beddown requirements supporting the 603 ACS mission established in 1994. Warehouse space must be securable, lighted, have regulated heating, and located within the current ACS compound to provide the mission required response time. Supporting facilities cost is greater than 25% of the primary facilities because additional pavement is required to park tactical vehicles/equipment adjacent to facility. AT/FP costs on this project are higher than standard DoD guidance due to stricter EUCOM force protection standards requiring improved security lighting.

CURRENT SITUATION: The ACS directs, controls, and coordinates 14,000 tactical air operations sorties per year in support of the flying mission and operates a mobile theater air control system to provide offensive and defensive radar control, air surveillance, and airspace management. The ACS currently uses two temporary facilities,

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AVIANO AIR BASE, ITALY	AIR CONTROL SQUADRON WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	442-758	ASHE013007	7,800

650 SM each, to store supplies and mobility equipment valued at $33M. These temporary facilities are fabric-walled and cannot be properly secured. As a result, expensive equipment items are at risk of pilferage. The existing facilities leak causing damage to supplies and equipment. In addition, existing facilities are overcrowded and are geographically separated, resulting in operational inefficiencies. Some equipment items must be stored outside which reduces their usable life and has caused $675K of damage in the past three years. Other equipment items are stored in relocatable facilities, tents, and inside covered vehicles.

IMPACT IF NOT PROVIDED: There will be an adverse impact on the readiness of the ACS and their critical support of the flying mission. The ACS will continue to have difficulty meeting required response times. The squadron will have to continue storing equipment and supplies in overcrowded, inefficient conditions. Equipment will continue to be exposed to the elements and be at risk of pilferage. $33M in critical supplies/mobility equipment for offensive and defensive radar control remain unsecure and exposed to elements. Airmen will continue to work/train in leaky, cramped spaces with poor lighting.

ADDITIONAL: This project is not currently eligible for NATO funding and a precautionary pre-finance statement will be filed. This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements." Design and construction must be completed in accordance with Italian laws and norms and will be designed and constructed to meet the stricter of Italian or US standards. An economic analysis compared all alternatives, new construction was found to be the most cost efficient. Lt Col Timothy S. Green, 0039-0434-665720. (ACS Warehouse: 2,000 SM = 21,520 SF and Admin Area: 120 SM = 1,290 SF).

FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .8785

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AVIANO AIR BASE, ITALY	AIR CONTROL SQUADRON WAREHOUSE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	442-758	ASHE013007	7,800

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	16-JUL-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	02-AUG-04
(e) Date Design Complete	05-SEP-05
(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	381
(b) All Other Design Costs	191
(c) Total	572
(d) Contract	477
(e) In-house	95
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 MAY

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMPUTER HARDWARE	3400	2007	21
SYSTEMS FURNITURE	3400	2007	32

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AVIANO AIR BASE, ITALY	FAMILY SUPPORT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	740-253	ASHE993004	4,010

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
FAMILY SUPPORT CENTER				2,347
FAMILY SUPPORT CENTER	SM	776	2,605	(2,021)
ANTITERRORISM/FORCE PROTECTION	SM	776	196	(152)
INTERIOR COMMUNICATIONS SUPPORT	SM	776	223	(173)
SUPPORTING FACILITIES				1,179
SITE IMPROVEMENTS	LS			(235)
UTILITIES	LS			(150)
PAVEMENTS	LS			(55)
COMMUNICATIONS	LS			(115)
PASSIVE FORCE PROTECTION	LS			(120)
DEMOLITION	SM	1,643	307	(504)
SUBTOTAL				3,526
CONTINGENCY (5.0 %)				176
TOTAL CONTRACT COST				3,702
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				241
TOTAL REQUEST				3,943
TOTAL REQUEST (ROUNDED)				4,010
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(174.0)

10. Description of Proposed Construction: Construct a 776 SM single-story building with reinforced concrete foundations and slabs, masonry walls, stucco finish, and clay tile roof system. Must be designed for this seismic area. Mechanical, HVAC, electrical systems will include fire detection, and power distribution. Site improvements include parking, sidewalks, landscaping and a canopy area. Includes regional force protection standards. Demolishes two facilities (1,643 SM).

Air Conditioning: 25 Tons

11. REQUIREMENT: 776 SM ADEQUATE: 0 SM SUBSTANDARD: 638 SM

PROJECT: Construct Family Support Center. (Current Mission)

REQUIREMENT: Aviano has a requirement for a new consolidated Family Support Center located in Area F to accommodate its members and their dependents. The facility must include adequate areas to support all Family Support functions as identified in AFI 36-3009. With the majority of base support facilities located on the flight line, the building allows a seamless transition for new personnel at Aviano. AT/FP costs on this project are higher than standard DoD guidance due to stricter EUCOM force protection requirements.

CURRENT SITUATION: Family Support is currently operating in two separate buildings. The majority of the 29-member program, including volunteers, is located in Building 118 but the Relocation component operates in Building 108. Each facility must have their own computer resource rooms. Consolidating from two separate facilities to one greatly reduces operating costs. The current facilities do not have the space criteria outlined

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AVIANO AIR BASE, ITALY	FAMILY SUPPORT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	740-253	ASHE993004	4,010

in AFI 32-1084. Building 118 is due to be demolished for FY06-07 construction, leaving the Family Support Center without a building. There will be no other vacant facilities on base to provide enough space to house all of the activities required for a family support center.

IMPACT IF NOT PROVIDED: If project is not provided, in-processing members are not able to make a quick transition, hence delaying their ability to execute the mission. There will be no assistance program to help airmen with in/out bound moving issues or problems. Family members will not get the assistance or support needed for job searches or with deployment issues. There will be no resources for loan assistance or couples/family counseling if needed. The requirement to maintain two separate facilities and computer resource rooms causes unneeded strain to Family Support budgets. When their current facility is demolished (FY06), they will have no place to go. Degraded service/workarounds will continue from even less desirable temporary (trailer) facilities or leased facilities off base. Off-base facilities are not considered a valid option as the 31 FW is currently working to bring those personnel in off-base leases on to base.

ADDITIONAL: This project is not eligible for NATO funding. An economic analysis waiver is being submitted. Design and construction must be completed in accordance with Italian laws and norms and will be designed and constructed to meet the stricter of Italian or US standards. This project complies with the space criteria outlined in AFH 32-1084, Facility Requirements. Design and siting of this project will be done in compliance with United States Air Force Protection guidelines. Base Civil Engineer, Lt Col Timothy S. Green, 31st Civil Engineer Squadron, DSN: 632-5720, Commercial: 0039-0434-665720. (Family Support Center: 776 SM = 8,353 SF)

FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .8785

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AVIANO AIR BASE, ITALY	FAMILY SUPPORT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	740-253	ASHE993004	4,010

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	15-JUL-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	02-AUG-04
(e) Date Design Complete	01-AUG-05
(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	204
(b) All Other Design Costs	102
(c) Total	306
(d) Contract	255
(e) In-house	51

(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 FEB

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3400	2007	15
FURNISHINGS	3400	2007	159

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION KUNSAN AIR FORCE BASE KOREA	COMMAND: PACIFIC AIR FORCES	5. AREA CONST COST INDEX 1.12

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 04	215	2,545	596	0	0	0	13	153	13	3,535
END FY 2009	205	2,418	584	0	0	0	13	153	13	3,386

7. INVENTORY DATA ($000)

Total Acreage:	2,557	
Inventory Total as of : (30 Sep 04)		1,267,996
Authorization Not Yet in Inventory:		30,500
Authorization Requested in this Program:		50,900
Authorization Included in the Following Program:	(FY 2007)	54,000
Planned in Next Three Years Program:		29,600
Remaining Deficiency:		132,850
Grand Total:		1,565,846

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
721-312	Dormitory (384 Rm)	384 RM	44,100	May-04	Sep-05
141-786	Consol Personnel Process/Theater Fac	1,184 SM	6,800	May-04	Sep-05
		Total	50,900		

9a. Future Projects: Included in the Following Program: (FY2007)

721-312	Dormitory (480 Rm)	480 RM	54,000	May-05	Sep-06
		Total	54,000		

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

211-152	Maintenance Complex Fabrication Shop	2,694 SM	12,400
211-152	Maintenance Complex Accessory Shop	3,252 SM	12,400
211-152	Maintenance Complex Armament Shop	2,323 SM	4,800
		Total	29,600

9c. Real Property Maintenance Backlog This Installation 91

10. Mission or Major Functions: A fighter wing supporting two F-16 fighter squadrons, a six squadron mission support group and a maintenance group, as well as a medical group.

11. Outstanding pollution and Safety (OSHA Deficiencies):

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

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KUNSAN AIR BASE, KOREA (REPUBLIC OF)	DORMITORY (384 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	721-312	MLWR053137	44,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
DORMITORY (384 RM)				35,484
DORMITORY	SM	13,440	1,981	(26,625)
COLLECTIVE PROTECTION SYSTEM	SM	2,560	2,871	(7,350)
ANTITERRORISM/FORCE PROTECTION	SM	13,440	65	(874)
SEMI-HARDENING PROTECTION	SM	8,000	80	(636)
SUPPORTING FACILITIES				3,948
UTILITIES	LS			(1,243)
SITE IMPROVEMENT/LANDSCAPING	LS			(639)
PAVEMENTS/ROADWAY	LS			(409)
PILE FOUNDATION	LS			(540)
COMMUNICATIONS	LS			(540)
CONTAMINATED SOIL REMEDIATION	LS			(150)
DEMOLITION/ENVIRONMENTAL CLEAN UP	SM	3,718	115	(428)
SUBTOTAL				39,432
CONTINGENCY (5.0 %)				1,972
TOTAL CONTRACT COST				41,404
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				2,691
TOTAL REQUEST				44,095
TOTAL REQUEST (ROUNDED)				44,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,441.0)

10. Description of Proposed Construction: A multi-story facility with reinforced concrete foundation, floor slab, walls and roof, fire sprinkler w/detectors, semi-hardening, and chemical-biological protection. Includes standard modules, lounge, air-lock areas, and generator. Includes utilities, pavements, parking, site improvements, pile foundation, communications, contaminated soil remediation, and environmental clean-up. Demolish four buildings (3,718 SM). Complies with DOD Force Protection requirements per the Unified Facilities Criteria.

Air Conditioning: 500 Tons Grade Mix: E1-E4 192

11. REQUIREMENT: 3,089 RM ADEQUATE: 588 RM SUBSTANDARD: 1,747 RM

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well being. Properly designed, adequately configured and furnished quarters that provide some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these airmen must perform. Retention of these highly trained airmen is essential to Air Force readiness and ability to meet worldwide commitments. This project is submitted in accordance with the Air Force Dormitory Master Plan that requires on-base housing for 100% of the military population at remote overseas bases. This dorm will incorporate, as part of its normal construction,

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KUNSAN AIR BASE, KOREA (REPUBLIC OF)	DORMITORY (384 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	721-312	MLWR053137	44,100

antiterrorism force protection standards mandated by Congress. In addition, semi-hardening and chemical-biological collective protection are required to defend personnel from theater threats at this in-place war-fighting base.

CURRENT SITUATION: Kunsan Air Base is an unaccompanied (remote) tour requiring on-base housing for 100% of the base's military population. Adequate space to house 100% of remotely assigned personnel is essential for the morale, force protection, security, and mission effectiveness of the 8th Fighter Wing. The base has insufficient on-base housing to accommodate unaccompanied enlisted personnel. The 2003 Air Force Dorm Master Plan Update reports Kunsan has a deficit of 754 rooms. A situation which forces personnel to be doubled up, contrary to Air Force policy and Secretary of Defense guidance.

IMPACT IF NOT PROVIDED: Adequate living quarters that 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. Also continued doubling up in deficient, unprotected facilities will degrade the survivability of our airmen at this in-place, war-fighting base.

ADDITIONAL: This project meets the scope/criteria specified in the new dorm standard established by OSD. All known alternatives were considered during the development of this project. No other option could meet mission requirements; therefore, no economic analysis was performed. A certificate of exception has been prepared. Unaccompanied Housing R&M conducted: $6,210K in FY03 and FY04 $4,578K. Future Unaccompanied Housing R&M requirements (estimated): FY05 $1,420K, FY06 $1,400K, and FY07 $10.0M. Antiterrorism force protection standards met via semi-hardening/chemical-biological defenses. Project is eligible for ROK Funded Construction, but building in a reasonable time requires both ROK and MILCON funds. BASE CIVIL ENGINEER: Lt Col Sohan, 011-82-654-470-5400. 192 RM Enlisted Dormitory: 6,720SM = 72,330SF; Chem-bio Collective Protection: 1,280SM = 13,780SF; Demolition: 3,718SM = 40,024SF.

FOREIGN CURRENCY: FCF Budget Rate Used: WON 1205.2

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KUNSAN AIR BASE, KOREA (REPUBLIC OF)	DORMITORY (384 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	721-312	MLWR053137	44,100

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	18-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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 -	KUNSAN AB

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

	($000)
(a) Production of Plans and Specifications	2,640
(b) All Other Design Costs	1,320
(c) Total	3,960
(d) Contract	3,300
(e) In-house	660

(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	08 FEB

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
DORM FURNISHINGS	3400	2006	1,366
COMMUNICATIONS	3400	2006	75

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KUNSAN AIR BASE, KOREA (REPUBLIC OF)	CONSOLIDATED PERSONNEL PROCESSING/THEATER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-786	MLWR053121	6,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CONSOLIDATED PERSONNEL PROCESSING/THEATER				4,376
PERSONNEL PROCESSING/THEATER FACILITY	SM	1,184	1,987	(2,353)
SPLINTER/CHEM BIO COLLECTIVE PROTECTION	SM	1,184	1,557	(1,843)
ANTITERRORISM/FORCE PROTECTION	SM	1,184	152	(180)
SUPPORTING FACILITIES				1,663
UTILITIES	LS			(450)
COMMUNICATIONS	LS			(155)
PAVEMENTS	LS			(350)
SITE IMPROVEMENTS	LS			(139)
DEMOLITION	SM	790	125	(99)
ASBESTOS REMOVAL/SOIL REMEDIATION	LS			(325)
SPECIAL FOUNDATION	LM	1,200	121	(145)
SUBTOTAL				6,039
CONTINGENCY (5.0 %)				302
TOTAL CONTRACT COST				6,341
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				412
TOTAL REQUEST				6,753
TOTAL REQUEST (ROUNDED)				6,800
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(160.0)

10. Description of Proposed Construction: Concrete foundation, floor slab, walls, roof system, fire protection, splinter and chemical-biological collective protection system. Includes lobby, auditorium, stage, projection room, offices, restrooms, storage, and mechanical equipment room. All utilities, pavements, soil remediation, demolition of three buildings (790 SM) with asbestos removal, and antiterrorism/force protection measures.

Air Conditioning: 175 Tons

11. REQUIREMENT: 1,184 SM ADEQUATE: 0 SM SUBSTANDARD: 567 SM

PROJECT: Construct consolidated personnel processing and theater facility. (Current Mission)

REQUIREMENT: A consolidated 500-seat capacity personnel processing center/theater facility is required to provide an adequate place to in-process thousands of follow-on time phased forces deployment (TPFD) personnel to supplement Kunsan AB during exercises, contingencies, periods of increased threat, and open conflict. Large assemblies of follow-on forces will be prime targets for enemy special operations forces (SOF) and targeted for conventional, biological, and chemical attacks. A splinter-protected facility with a chemical-biological collective protection system (CPS) is required to prevent mass casualties from an attack on the in-processing center during continuous follow-on inflow. CPS is a vital requirement as Kunsan is the only main in-place war-

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KUNSAN AIR BASE, KOREA (REPUBLIC OF)	CONSOLIDATED PERSONNEL PROCESSING/THEATER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-786	MLWR053121	6,800

fighting base on the Korean peninsula that is unable to meet the PACAF requirement to provide collective protection for 30% of the wartime population. This consolidated facility will also function as the base theater during peacetime; showing recreational movies, live stage shows, concerts, hosting military meetings, lectures, commander's calls, and general assemblies.

CURRENT SITUATION: Currently, follow-on forces are in-processed at the base theater which only holds 357 people. During exercises, such as FOAL EAGLE, hundreds of incoming troops are staged outside of the base theater for in processing because the theater is far too small to accommodate follow-on inflow. All troops staged outside as well as inside the existing base theater, a 1950s era facility, are extremely vulnerable targets during in processing. The current facility lacks a CPS, thus all personnel, during periods of chemical-biological attack and contamination, must remain in MOPP 4 until cessation of hostilities and resultant decontamination of personnel, causing in-processing to proceed at a laboriously slow pace. This drastic slowdown of in processing and release for duty of critically needed personnel for the conduct of wartime operations will inhibit combat operations and the projection of air power in the region. This facility also fails to meet requirements for a base theater. The roof is structurally unsound. Internal flooding (severe during the rainy season), due to the building being constructed with the floor sloped below grade in an area close to the water table, make the building unusable a couple times each year. Even minor flooding, as well as recurring repairs due to the age of the facility, cause a continuous maintenance problem. Aside from its structural deficiencies, it is undersized and cannot accommodate enough people for the required functions and activities. Currently, these large gatherings are held outdoors or other ill-suited facilities. In addition, the people using the current facility are plagued with the overwhelmingly noxious fumes entering from an underground plume of contaminated soil. This facility will be demolished as part of this project.

IMPACT IF NOT PROVIDED: Use of the deteriorated, undersized, and unprotected facility will continue to adversely affect personnel morale, hinder the ability to quickly and safely in-process TPFD follow-on forces, and the wartime base population will not be afforded protection from chemical and biological attack or normal conventional weapons. Consequently, wing combat mission readiness and sustainability will continue at risk at this in-place war-fighting base.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". This project is eligible for Host Nation Funded Construction (HNFC). However, the limited annual HNFC funding levels (about $20M annually for the AF) cannot satisfy all requirements within a reasonable timeframe, over six years. In addition, there are very real funding constraints being placed on HNFC program due to the Land Partnership Plan and Yongsan relocation. This situation, which will divert almost all HNFC funds to Army relocation projects, should persist until approximately 2015. Some mission essential projects must be funded with MILCON to sustain combat capability. For this project, conventional antiterrorism force protection requirements are provided for and combined with the protection standards dictated by the theater threats at this in-place war-fighting base which is in close proximity to an unfriendly government with not only a huge conventional army, but has indicated a willingness to use the whole spectrum of warfare from commando tactics to a

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KUNSAN AIR BASE, KOREA (REPUBLIC OF)	CONSOLIDATED PERSONNEL PROCESSING/THEATER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-786	MLWR053121	6,800

recently restarted nuclear weapons development program. This project is located on an enduring base that will be retained by United States Air Force for the foreseeable future. A preliminary analysis of reasonable options (status quo, leasing, new construction) indicates there is only one option that will effectively meet the operational, statutory, and security criteria of functions required. Consequently, a full economic analysis was not performed. A Certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col James Sohan, DSN 94-782-5400. (Personnel Processing/Theater Facility: 1,184 SM = 12,745 SF).

FOREIGN CURRENCY: FCF Budget Rate Used: WON 1205.2

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KUNSAN AIR BASE, KOREA (REPUBLIC OF)	CONSOLIDATED PERSONNEL PROCESSING/THEATER FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-786	MLWR053121	6,800

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	10-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	408
(b) All Other Design Costs	204
(c) Total	612
(d) Contract	512
(e) In-house	100

(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 MAY

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
AAFES EQUIPMENT	3080	2006	160

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION OSAN AIR FORCE BASE KOREA	COMMAND: PACIFIC AIR FORCES	5. AREA CONST COST INDEX 1.11

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 04	593	4784	1019	0	22	0	44	224	104	6,790
END FY 2009	593	4760	864	0	22	0	44	224	104	6,611

7. INVENTORY DATA ($000)

Total Acreage:	2,380	
Inventory Total as of : (30 Sep 04)		2,940,551
Authorization Not Yet in Inventory:		107,400
Authorization Requested in this Program:		40,719
Authorization Included in the Following Program:	(FY 2007)	2,156
Planned in Next Three Years Program:		48,600
Remaining Deficiency:		224,950
Grand Total:		3,364,376

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
141-753	Add/Alter Sq Ops/AMU Facility	5,930 SM	18,969	Apr-04	Sep-05
721-312	Dormitory (156 Rm)	156 RM	21,750	May-04	Sep-05
		Total	40,719		

9a. Future Projects: Included in the Following Program: (FY2007)

141-456	DCGS Intel Squadron Operations Facility	390 SM	2,156	May-05	Sep-06
		Total	2,156		

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

721-312	Dormitory (120 RM)	120 RM	13,600
218-868	Replace PMEL Facility	1,412 SM	8,000
211-179	Replace Aircraft Fuel Sys Maint Hangar	3,119 SM	10,600
141-753	Add/Alter 36 FS Squadron Ops/AMU	2,180 SM	16,400
		Total	48,600

9c. Real Property Maintenance Backlog This Installation 227

10. Mission or Major Functions: A host fighter wing supporting a F-16 squadron and an A/0A-10 squadron; Headquarters Seventh Air Force; a civil engineering heavy repair squadron (RED HORSE); an Air Mobility Command air mobility support squadron; an Air Combat Command reconnaissance squadron; and an Air Intelligence Agency intelligence squadron.

11. Outstanding pollution and Safety (OSHA Deficiencies):

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OSAN AIR BASE, KOREA (REPUBLIC OF)	ADD/ALTER SQ OPS/AMU FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-753	SMYU013100	18,969

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
ADD/ALTER SQ OPS/AMU FACILITY				15,055
ADDITION (SEMI-HARDENED)	SM	4,148	2,168	(8,992)
ALTERATION	SM	1,782	1,263	(2,250)
ADD/ALTER COLLECTIVE PROTECTION	SM	5,930	556	(3,297)
ANTITERRORISM FORCE PROTECTION	SM	5,930	87	(515)
SUPPORTING FACILITIES				1,890
SPECIAL FOUNDATION	SM	4,148	67	(278)
CONTAMINATED SOIL REMEDIATION	LS			(305)
COMMUNICATIONS	LS			(182)
UTILITIES	LS			(475)
SITE DEVELOPMENT/PAVEMENTS	LS			(285)
STANDBY GENERATOR/FUEL STORAGE	LS			(365)
SUBTOTAL				16,945
CONTINGENCY (5.0 %)				847
TOTAL CONTRACT COST				17,792
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				1,156
TOTAL REQUEST				18,949
TOTAL REQUEST (ROUNDED)				18,969

10. Description of Proposed Construction: Two-story addition (semi-hardened) and alter existing squadron operations/AMU facility. Involves special reinforced concrete foundation, floor slab w/thickened concrete walls and roof, fire detection/suppression, standby generator/uninterruptable power/fuel storage, communications and supporting utilities, pavements, and contaminated soil remediation. Provides chemical-biological collective protection for entire facility and antiterrorism and force protection measures.

Air Conditioning: 70 Tons

11. REQUIREMENT: 14,650 SM ADEQUATE: 0 SM SUBSTANDARD: 3,444 SM

PROJECT: Add to and alter squadron operations/aircraft maintenance unit facility. (Current Mission)

REQUIREMENT: An adequately sized, configured and protected squadron operations/AMU facility that effectively supports a high ops tempo fighter squadron mission, including contingency and wartime operations. Essential direct combat sortie generation personnel/equipment must be protected from chemical, biological and conventional attack at this overseas, fight-in-place base. Antiterrorism force protection met by semi-hardening and collective protection required by AFMAN 10-2602.

CURRENT SITUATION: The existing semi-hardened facility was sized and constructed in 1990 for a combat fighter squadron with 12 Primary Aircraft Assigned (PAA). However, the PAA was increased from 12 to 18 in 1994 and then further increased from 18 to 24 in 1999. This change from 12 PAA to 24 PAA resulted in a change from approximately 150

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OSAN AIR BASE, KOREA (REPUBLIC OF)	ADD/ALTER SQ OPS/AMU FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-753	SMYU013100	18,969

personnel assigned to now over 300 personnel assigned. Consequently, all areas from mission planning/briefing to crew alert rest areas and life support are undersized causing overcrowded, inefficient conditions. Existing work environment is extremely cramped and cannot effectively support a high ops tempo even during peacetime. During contingency and wartime conditions, the undersized facility will cause mission degradation and place direct sortie generation personnel at risk to chemical, biological, and conventional weapons attack. The briefing area can only seat 50 personnel but the requirement is for a minimum of 75. Alert rest function is in converted attic space with 18 cramped bunks and not conducive to 24-hour operations. Office space for planning and mission support is overcrowded with two and three personnel in a space built for one. Lack of space also forces the maintenance group to be dispersed throughout the base causing storage in multiple temporary external "make-shift" units.

IMPACT IF NOT PROVIDED: First line of defense fighter wing personnel/equipment will continue to operate out of an extremely cramped facility causing reduced combat mission readiness and sustainability, direct sortie generation personnel/equipment will remain at risk of loss from chemical, biological, and conventional weapons, and aircraft maintenance crews and equipment will not be efficiently consolidated to support wing combat readiness and sustainment at this in-place warfighting base.

ADDITIONAL: This project meets the scope and criteria specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of options for satisfying this requirement was completed. Only one option satisfies mission requirement. Therefore, a full economic analysis was not performed. A certificate of exception has been prepared for this project. This project is eligible for Host Nation Funded Construction (HNFC). However, the limited annual HNFC funding level cannot satisfy all requirements within a reasonable time. Some mission essential projects must be funded with MILCON to sustain combat capability. For this project, conventional antiterrorism force protection requirements are provided for and combined with the protection standards dictated by the theater threats at this in-place war-fighting base. This project is located on an enduring base that will be retained by United States Air Force for the foreseeable future. BASE CIVIL ENGR: Lt Col. Castelli, 011-82-31-661-4312. ADAL Squadron Operations/AMU: 5,930 SM = 63,832 SF; Sq Ops Addition: 4,148 SM = 44,650 SF, Sq Ops/AMU Alteration: 1,782 SM = 19,182 SF.

FOREIGN CURRENCY: FCF Budget Rate Used: WON 1205.2

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OSAN AIR BASE, KOREA (REPUBLIC OF)	ADD/ALTER SQ OPS/AMU FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	141-753	SMYU013100	18,969

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	01-APR-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	01-SEP-04
(e) Date Design Complete	01-SEP-05
(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	1,138
(b) All Other Design Costs	570
(c) Total	1,708
(d) Contract	1,438
(e) In-house	270

(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	08 FEB

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

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OSAN AIR BASE, KOREA (REPUBLIC OF)	DORMITORY (156 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	721-312	SMYU973012	21,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
DORMITORY (156 RM)				16,051
DORMITORY	SM	5,460	2,190	(11,957)
COLLECTIVE PROTECTION SYSTEM	SM	1,000	2,757	(2,757)
SEMI-HARDENING PROTECTION	SM	6,460	75	(485)
ANTITERRORISM FORCE PROTECTION	SM	5,460	156	(852)
SUPPORTING FACILITIES				3,413
UTILITIES	LS			(650)
PAVEMENTS	LS			(450)
SITE IMPROVEMENTS/LANDSCAPING	LS			(250)
PILE FOUNDATION	LS			(328)
COMMUNICATIONS SUPPORT	LS			(260)
RELOCATE COMM SWITCH	LS			(208)
CONTAMINATED SOIL REMEDIATION	LS			(312)
DEMOLITION INCLUDING ABATEMENT	SM	3,375	283	(955)
SUBTOTAL				19,464
CONTINGENCY (5.0 %)				973
TOTAL CONTRACT COST				20,437
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				1,328
TOTAL REQUEST				21,765
TOTAL REQUEST (ROUNDED)				21,750
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(415.0)

10. Description of Proposed Construction: Multi-story facility with reinforced concrete foundation, floor slabs, walls and roof, fire sprinkler w/detectors, semi-hardening/chemical-biological protection. Includes 4-plex modules, lounge, air-lock areas and generator. Includes parking, site improvements/landscaping, pile foundation, comm switch relocation, soil remediation, asbestos abatement/environmental clean up. Demolish three buildings (3,375 SM). Complies with DOD Force Protection requirements per the Unified Facilities Criteria.

Air Conditioning: 400 Tons Grade Mix: E1-E4 156

11. REQUIREMENT: 5,612 RM ADEQUATE: 4,400 RM SUBSTANDARD: 0 RM

PROJECT: Construct a 156-room 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, adequately configured and furnished quarters that provide 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. This dorm will incorporate antiterrorism force protection standards to meet DoD minimum

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OSAN AIR BASE, KOREA (REPUBLIC OF)	DORMITORY (156 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	721-312	SMYU973012	21,750

and/or theater requirements. Semi-hardening and chemical-biological collective protection are required to protect personnel from theater threats at this remote, overseas, in-place warfighting base.

CURRENT SITUATION: The base has insufficient on-base housing to accommodate unaccompanied enlisted personnel. This project is in accordance with the Air Force Dormitory Master Plan. The NCO Club (Challenger Club) will be displaced when their current facility is demolished to make way for the dormitory. A new NCO Club is programmed and approved for FY04 NAF funding, and is in design at present.

IMPACT IF NOT PROVIDED: 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. Lack of protected on-base quarters forces personnel to live off-base and leaves them vulnerable to loss to chemical-biological weapons and terrorist attacks.

ADDITIONAL: This project meets the scope/criteria specified in the new dormitory standard established by OSD and those specified in Air Force Handbook 32-1084, "Facility Requirements." This requirement is validated in the Air Force Dormitory Master Plan. An analysis of options for satisfying this requirement was completed. Only this one option satisfies the mission requirement. Therefore, a full economic analysis was not performed. A certificate of exception has been prepared. This project is eligible for host-nation funding. The limited annual funding level cannot, however, satisfy all requirements within a reasonable time. Some mission essential projects must be funded with MILCON to sustain combat capability. Unaccompanied Housing RPM conducted: FY03 $2,507K. Future Unaccompanied Housing RPM requirements (estimated): FY04 - $2,600K, FY05 - $2,625K, FY06 - $2,680K, and FY07 - $2,690K. Antiterrorism force protection standards are met via semi-hardening protection/chemical-biological protection. Conventional antiterrorism force protection requirements are covered within the protection standards dictated by the theater threats at this in-place war-fighting base which is in close proximity to an unfriendly government with not only a huge conventional army, but has indicated a willingness to use the whole spectrum of warfare from commando tactics to a recently restarted nuclear weapons development program. BASE CIVIL ENGINEER: Gerard A. Castelli, Lt Col. 011-82-661-4312. Dormitory: 5,460 SM = 58,773 SF; Chemical-biological protection: 1,000 SM = 10,760 SF; and demolition 3,375 SM = 36,315 SF.

FOREIGN CURRENCY: FCF Budget Rate Used: WON 1205.2

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OSAN AIR BASE, KOREA (REPUBLIC OF)	DORMITORY (156 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	721-312	SMYU973012	21,750

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	18-MAY-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	10-AUG-04
(e) Date Design Complete	10-SEP-05
(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	1,300
(b) All Other Design Costs	650
(c) Total	1,950
(d) Contract	1,650
(e) In-house	300
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	08 FEB

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3400	2007	15
FURNISHINGS	3400	2007	400

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
LAJES FIELD, AZORES, PORTUGAL	UNITED STATES AIR FORCES IN EUROPE	1.4

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	93	888	766	0	0	0	0	0	0	1,747
END FY 2009	97	895	768	0	0	0	0	0	0	1,760

7. INVENTORY DATA ($000)

a. Total Acreage:	1,445	
b. Inventory Total as of: (30 Sep 04)		184,577
c. Authorization Not Yet in Inventory:		34,270
d. Authorization Requested in this Program:		12,000
e. Authorization Included in the Following Program: (FY 2007)		0
f. Planned in Next Three Years Program:		43,279
g. Remaining Deficiency:		72,900
h. Grand Total:		347,026

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
730-142	Fire/Crash Rescue Station	2,760 SM	12,000	Jun-04	Sep-05
		Total	12,000		

9a. Future Projects: Included in the Following Program: (FY2007)

No projects for FY07

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

211-111	Repair Maintenance Hangar	9,535 SM	16,535
111-111	Repair Runway	303,500 SM	8,000
721-315	Transient Quarters, Phase I	4,900 SM	13,544
730-835	Construct Security Forces Complex	1,350 SM	5,200
		Total	43,279

9c. Real Propery Maintenance Backlog This Installation ($M) 64

10. Mission or Major Functions: The host air base wing provides en route support to transiting aircraft and hosts Headquarters US Forces Azores. Lajes Field serves as a logistical bridge to Europe, Africa, and Southwest Asia by providing a ground refueling and stop-over capability, functioning as a tanker staging location for in-flight refueling and serving as a primary divert base for deploying aircraft.

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

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1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LAJES FIELD, PORTUGAL	FIRE/CRASH RESCUE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	730-142	MQNA013004	12,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
FIRE/CRASH RESCUE STATION				9,326
FIRE/CRASH RESCUE STATION	SM	2,760	3,183	(8,785)
ANTITERRORISM/FORCE PROTECTION	SM	2,760	56	(153)
INTERIOR COMMUNICATIONS SUPPORT	SM	2,760	140	(387)
SUPPORTING FACILITIES				1,359
UTILITIES	LS			(151)
PAVEMENTS	LS			(159)
SITE IMPROVEMENTS	LS			(101)
ASBESTOS REMOVAL/DISPOSAL	SM	1,000	181	(181)
DEMOLITION (PAVEMENTS)	SM	3,000	65	(195)
DEMOLITION (FACILITY)	SM	2,176	263	(572)
SUBTOTAL				10,685
CONTINGENCY (5.0 %)				534
TOTAL CONTRACT COST				11,219
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				729
TOTAL REQUEST				11,949
TOTAL REQUEST (ROUNDED)				12,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(100.0)

10. Description of Proposed Construction: Construct 2,760 SM (29,708 SF) Fire/Crash Rescue Station. Building with reinforced concrete foundation and floor slabs, structural frame, masonry walls, and sloped tile roof. Includes administrative areas, alarm and apparatus rooms, training facilities, living quarters, recreation/dining area, storage, and POV parking. Demolishes two facilities totaling 2,176 SM. Includes Antiterrorism/Force Protection measures in accordance with DoD Unified Facilities Code and EUCOM OPORD requirements.

Air Conditioning: 150 Tons

11. REQUIREMENT: 2,760 SM ADEQUATE: 0 SM SUBSTANDARD: 1,741 SM

PROJECT: Construct Fire/Crash Rescue Station. (Current Mission)

REQUIREMENT: Construct a new fire/crash rescue station and alternate control tower along the flightline in accordance with the USAF Fire Station Design Guide. The location of the new facility will allow personnel to meet National Fire Protection Agency (NFPA) required response times to locations on the north end of the runway as well as parking aprons. The fire station will be the only one on Lajes serving both the structural and aircraft response needs for all Portuguese and United States assets. Force Protection measures will be incorporated IAW USAF Installation Force Protection Guide.

CURRENT SITUATION: The fire department currently operates out of a converted 1961 metal aircraft hangar. The only major project completed was a small masonry addition. The facility is currently classified as substandard. Location of the existing facility does

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LAJES FIELD, PORTUGAL		4. PROJECT TITLE FIRE/CRASH RESCUE STATION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 730-142	7. PROJECT NUMBER MQNA013004	8. PROJECT COST ($000) 12,000

not meet NFPA required response times to locations on the north end of the runway as well as parking aprons where TTF/AEF aircraft and hazardous cargo parking occurs. The facility is vastly undersized for the vehicles and personnel. Critical response vehicles must be stored outside and are continuously subjected to the harsh climate, greatly decreasing their life expectancy, increasing vehicle corrosion and hindering the mission. The current living quarters do not meet standards. The largest room is only 7.4 SM; minimum standards call for 10.2 SM. In addition, various health hazards exist including rodent infestation, bird inhabitants, and five open sewer drains throughout the facility. Finally, the station overall does not comply with Life Safety Code 101 and NFPA 1581, and the alarm room does not meet NFPA 1221. The current alternate control tower is located in the runway primary surface which risks aircraft operations. It does not comply with USAF or International Civil Aviation Organization airfield criteria because it is less than 500 feet from the runway centerline, and is not a permissible deviation. It is Lajes' #1 Airfield Obstruction Reduction Initiative project. The Portuguese AF will not allow the existing facility to be demolished without replacing it.

IMPACT IF NOT PROVIDED: The fire department will continue to operate in substandard facilities. Response times to our primary parking aprons will not be met resulting in higher risk of damage/loss of transiting and bedded down aircraft. Inadequate facilities will lead to vehicles corroding and failing prior to average life expectancy. Undersized facility will also continue to hinder training and crew rest thus jeopardizing both living and material assets daily. Poorly designed traffic flow in and out of the station will keep subtracting priceless minutes and seconds from response times. Overall, Lajes' mission of "Enabling Expeditionary Air Power" is jeopardized as a direct result of the shortfalls identified.

ADDITIONAL: This project meets the criteria/ scope specified in Air Force Handbook 32-1084, "Facility Requirements." IAW the 1995 SoFA between Governments of the United States and Portugal, this project is not eligible for NATO funding. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done and it indicates there is only one option that will meet operational requirements and that is new construction. A certificate of exception is being prepared for this project. Base Civil Engineer: Lt Col Terry Watkins, Phone: 011-351-295-576113 (Fire Crash Rescue Station: 2,760 SM = 29,708 SF)

FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .8785

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LAJES FIELD, PORTUGAL	FIRE/CRASH RESCUE STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	730-142	MQNA013004	12,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	11-JUN-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	11-AUG-04
(e) Date Design Complete	20-SEP-05
(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	720
(b) All Other Design Costs	360
(c) Total	1,080
(d) Contract	900
(e) In-house	180
(4) Construction Contract Award	06 JAN
(5) Construction Start	06 FEB
(6) Construction Completion	07 JUN

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3400	2006	100

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
INCIRLIK AIR BASE, TURKEY	UNITED STATES AIR FORCES, EUROPE	0.9

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	145	1358	1103	0	0	0	229	0	202	3,037
END FY 2009	145	1384	1104	0	0	0	229	0	202	3,064

7. INVENTORY DATA ($000)		
a. Total Acreage:	3,337	
b. Inventory Total as of: (30 Sep 04)		300,262
c. Authorization Not Yet in Inventory:		8,352
d. Authorization Requested in this Program:		5,780
e. Authorization Included in the Following Program:	(FY 2007)	0
f. Planned in Next Three Years Program:		21,300
g. Remaining Deficiency:		20,600
h. Grand Total:		356,294

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,(000)	DESIGN START	STATUS CMPL
131-111	Consolidated Communications Facility	3,423	SM	5,780	Jun-04	Sep-05
		Total		5,780		

9a. Future Projects: Included in the Following Program: (FY 2007)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST($000)
No projects in FY2007 program			

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

CATEGORY CODE	PROJECT TITLE	SCOPE		COST($000)
740-316	Consolidated Community Center	3,725	SM	6,800
851-147	Upgrade Base Main Road	3,000	LM	3,000
113-321	Aircraft Parking Apron "C"	90,000	SM	9,600
113-321	Hot Cargo Aprons	28,000	SM	1,900
		Total		21,300

9c. Real Propery Maintenance Backlog This Installation ($M)	58

10. Mission or Major Functions: The 39th Wing provides host services to forces deployed in support of Operation Northern Watch. It is also home to an AMC Air Mobility Squadron.

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

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INCIRLIK AIR BASE ADANA, TURKEY	CONSOLIDATED COMMUNICATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	131-111	LJYC983011	5,780

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CONSOLIDATED COMMUNICATIONS FACILITY				4,343
COMMUNICATION FACILITY	SM	3,423	1,245	(4,262)
ANTITERRORISM/FORCE PROTECTION	SM	3,423	24	(82)
SUPPORTING FACILITIES				824
UTILITIES	LS			(355)
PAVEMENTS	LS			(155)
SITE IMPROVEMENTS	LS			(185)
COMMUNICATIONS SUPPORT	LS			(67)
DEMOLITION	SM	1,230	22	(27)
PASSIVE FORCE PROTECTION	LS			(35)
SUBTOTAL				5,168
CONTINGENCY (5.0 %)				258
TOTAL CONTRACT COST				5,426
SUPERVISION, INSPECTION AND OVERHEAD (6.5 %)				353
TOTAL REQUEST				5,779
TOTAL REQUEST (ROUNDED)				5,780
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(271.0)

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls, structural steel frame and pitched metal roof. Includes security system, pavements, site work, and utilities. Force protection measures such as physical barriers, reinforced materials, and laminated windows to be incorporated IAW minimum DoD interim force protection standards. Demolishes five buildings (1,230 SM).

Air Conditioning: 290 Tons

11. REQUIREMENT: 6,045 SM ADEQUATE: 2,139 SM SUBSTANDARD: 1,471 SM

PROJECT: Construct a consolidated communications facility. (Current Mission)

REQUIREMENT: An Integrated Communications Center (ICC) with a fully redundant alternate power supply with battery back-up for critical circuits is required to efficiently and effectively house the 39th Communications Squadron's tech control center, network control center (NIPRNet and SIPRNet), central telephone office, maintenance and administrative functions. Consolidation will improve the operations and maintenance capabilities of communications systems and equipment while providing adequate antiterrorism and force protection features, quality customer service, and improved quality of life for service members. Critical communication equiment must be properly maintained in a ready state for support of ongoing and any contingency operations on a 24 hour/7 days a week basis. The entire facility must be protected from potential terrorist attacks with critical systems (telephone, LAN, tech control, and wideband) being housed in a semi-hardened structure with a physical connection to the current telephone central office (TCO Bldg 476) with it's fully redundant power supply and battery back-up separate from the admin and maintenance facilities.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INCIRLIK AIR BASE ADANA, TURKEY	CONSOLIDATED COMMUNICATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	131-111	LJYC983011	5,780

CURRENT SITUATION: The communication squadron currently occupies over 10 buildings, including old and deteriorated Quonset huts, widely scattered throughout the base. The geographic separation of unit functions makes operations, command, and control inefficient and difficult. Airmen work under cramped and unsafe conditions with inadequate restroom facilities, severely impacting mission capability and quality of life. Airmen are forced to share spaces not designed for their particular mission, hampering productivity.

IMPACT IF NOT PROVIDED: Widely separated communications functions will continue to reduce productivity for service providers and customers. Lack of upgrade capability with current infrastructure and facilities jeopardizes role as sole regional communications hub in support of National Command Authority. Vital mission at risk since airmen and $30M of communication equipment housed in multiple 1950s-era quonset huts with leaking roofs, poor electrical systems, and inadequate protection from terrorist threats. Airmen forced to work in 25% undersized facilities with electrical, fire, and safety violations.

ADDITIONAL: This project is not eligible for NATO funding. However, a precautionary pre-financing statement will be submitted in the event eligibility is established. This project supports mission, readiness, or force protection issues related to operations in the Balkans or other contingencies throughout the region. This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options was done and indicated that only one option meets operational requirements. A certificate of exception has been prepared. Base Civil Engineer: Major Anthony E. Muzereus III, 011-90-332-316-6423. Communications Facility: 3,423 SM = 36,835 SF.

FOREIGN CURRENCY: FCF Budget Rate Used: LIRA 1514.427

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
INCIRLIK AIR BASE ADANA, TURKEY	CONSOLIDATED COMMUNICATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	131-111	LJYC983011	5,780

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	11-JUN-04
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	15%
* (d) Date 35% Designed	15-AUG-04
(e) Date Design Complete	25-SEP-05
(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	294
(b) All Other Design Costs	147
(c) Total	441
(d) Contract	368
(e) In-house	74
(4) Construction Contract Award	05 DEC
(5) Construction Start	06 FEB
(6) Construction Completion	07 FEB

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3400	2006	271

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
RAF LAKENHEATH, UNITED KINGDOM	UNITED STATES AIR FORCES, EUROPE	1.20

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	550	4339	939	0	0	0	2	5	344	6,179
END FY 2009	543	4222	933	0	0	0	2	5	344	6,049

7. INVENTORY DATA ($000)

a. Total Acreage:	2,507	
b. Inventory Total as of : (30 Sep 04)		2,376,565
c. Authorization Not Yet in Inventory:		88,400
d. Authorization Requested in this Program:		5,125
e. Authorization Included in the Following Program: (FY 2007)		14,285
f. Planned in Next Three Years Program:		24,300
g. Remaining Deficiency:		23,450
h. Grand Total:		2,532,125

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
215-582	Small Diameter Bomb Maintenance Fac	325 SM	2,625	Design Build	
422-264	Small Diameter Bomb Storage Igloo & Addition	481 SM	2,500	Design Build	
		Total	5,125		

9a. Future Projects: Included in the Following Program: (FY2007)

141-753	F-15C Squad Ops/AMU (493 FS)	3,380 SM	14,285	Design Build	
		Total	14,285		

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

171-618	Field Training Det / Logistics Training Flt	3,400 SM	9,500
422-264	Small Diameter Bomb Storage Igloo	225 SM	1,500
730-835	Security Forces Complex	2,332 SM	9,800
831-165	Wastewater Treatment Plant	700 KG	3,500
		Total	24,300

9c. Real Propery Maintenance Backlog This Installation ($M) 140

10. Mission or Major Functions: A fighter wing equipped with two squadrons of F-15Es and one squadron of F-15C/Ds.

11. Outstanding pollution and Safety (OSHA Deficiencies:

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

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF LAKENHEATH, UNITED KINGDOM	SMALL DIAMETER BOMB MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27327	215-582	MSET083001	2,625

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
SMALL DIAMETER BOMB MAINTENANCE FACILITY				2,061
MUNITIONS MAINTENANCE FACILITY	SM	325	6,129	(1,992)
ANTITERRORISM/FORCE PROTECTION	SM	325	162	(53)
INTERIOR COMMUNICATIONS SUPPORT	SM	325	51	(16)
SUPPORTING FACILITIES				383
UTILITIES	LS			(137)
PAVEMENTS	LS			(110)
SITE IMPROVEMENTS	LS			(55)
PASSIVE FORCE PROTECTION MEASURES	LS			(27)
EXTERIOR COMMUNICATIONS SUPPORT	LS			(55)
SUBTOTAL				2,444
CONTINGENCY (5.0 %)				122
TOTAL CONTRACT COST				2,566
SUPERVISION, INSPECTION AND OVERHEAD (2.5 %)				64
TOTAL REQUEST				2,630
TOTAL REQUEST (ROUNDED)				2,625

10. Description of Proposed Construction: All civil, structural, electrical, utility and communication work necessary for the construction of a munitions maintenance facility with reinforced concrete footings, floor slab, reinforced walls and roof, as well as special steel roll-up doors. Scope includes environmental support, pavements, and all other necessary support. Facility will be equipped with fire suppression and security alarms, lightning protection, back-up power, as well as sound attenuated mechanical, electrical, heating, and climate control systems. Includes regional force protection standards and must be in compliance with current Department of Defense Explosive Safety Board (DDESB), and valid UK regulations for such facilities, as well as Director of Central Intelligence Directive (DCID) 6/9

Air Conditioning: 25 Tons

11. REQUIREMENT: 2,404 SM ADEQUATE: 2,079 SM SUBSTANDARD: 0 SM

PROJECT: Construct a Small Diameter Bomb Maintenance Facility. (New Mission)

REQUIREMENT: An adequately sized and configured Munitions Maintenance Facility (MMF) is required for the efficient and secure maintenance of this new weapons system within the USAFE AOR. This system will be implemented starting in FY06 in order to provide sufficient warfighting capabilities within the European Theater, Africa, as well as the Middle East region. The maintenance facility needs to provide space for adequate testing, inspection and minor repair of this new weapons system, promoting a safe work environment and minimizing potential mishaps. Project must comply with regional AT/FP standards.

CURRENT SITUATION: RAF Lakenheath does not have an adequate MMF to accommodate the

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF LAKENHEATH, UNITED KINGDOM	SMALL DIAMETER BOMB MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27327	215-582	MSET083001	2,625

maintenance functions of this new weapons system. The existing munitions maintenance facilities within the munitions areas have been surveyed and inspected and none are suitable for conversion, from both a structural and mission aspect. The 48FW is the only F-15C/E base in Europe and is involved in many of the Air Forces combat missions in support of contingencies and wartime operations, i.e. Operations IRAQI FREEDOM in Iraq, or ENDURING FREEDOM in Afghanistan.

IMPACT IF NOT PROVIDED: Without this project, the 48FW mission will be impacted by not being able to support the contingencies and wartime operations within European and Middle East theaters, due to non-existing maintenance and support facilities for this new weapons system at RAF Lakenheath.

ADDITIONAL: This project is not currently eligible for NATO funding. However, a precautionary prefinance statement will be submitted in the event eligibility is established. This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements". A preliminary analysis of reasonable options was done and indicated that only one option meets operational requirements. Therefore, an economic analysis was not performed. A certificate of exception is being prepared. Base Civil Engineer Lt Col Dimasalang F. Junio, DSN 226-2100 (Commercial 001-44-1638-522-100) (Small Diameter Bomb Maintenance Facility: 325 SM = 3,497 SF)

FOREIGN CURRENCY: FCF Budget Rate Used: POUND .593

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 AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM	4. PROJECT TITLE SMALL DIAMETER BOMB MAINTENANCE FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27327	215-582	MSET083001	2,625

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 121

(4) Construction Contract Award 05 DEC

(5) Construction Start 06 FEB

(6) Construction Completion 07 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	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF LAKENHEATH, UNITED KINGDOM	SMALL DIAMETER BOMB STORAGE IGLOO AND ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27327	422-264	MSET083002	2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
SMALL DIAMETER BOMB STORAGE IGLOO/ADDITION				1,921
SMALL DIAMETER BOMB - STORAGE IGLOO	SM	225	3,814	(858)
SMALL DIAMETER BOMB - ADDITION TO 1395	SM	256	3,977	(1,018)
ANTITERRORISM/FORCE PROTECTION	SM	481	77	(37)
INTERIOR COMMUNICATIONS SUPPORT	SM	481	17	(8)
SUPPORTING FACILITIES				402
UTILITIES	LS			(110)
PAVEMENTS	LS			(150)
SITE IMPROVEMENTS	LS			(110)
COMMUNICATION	LS			(33)
SUBTOTAL				2,323
CONTINGENCY (5.0 %)				116
TOTAL CONTRACT COST				2,440
SUPERVISION, INSPECTION AND OVERHEAD (2.5 %)				61
TOTAL REQUEST				2,500
TOTAL REQUEST (ROUNDED)				2,500

10. Description of Proposed Construction: All civil, structural, electrical, utility and communication work necessary for the construction of an earth covered, hardened Small Diameter Bomb munitions storage igloo facility with reinforced concrete footings, floor slab, walls and roof, together with explosion proofed heavy steel doors on special tracks. The project also includes a warehouse/storage type addition to facility 1395 for the storage of the munitions containers. Scope includes pavements, and all other necessary support. Facilities will be equipped with fire and security alarms, lightning protection, and explosion-proof electrical. Includes regional force protection standards and must be in compliance with current Department of Defense Explosive Safety Board (DDESB) and valid UK regulations for such facilities, as well as Director of Central Intelligence Directive (DCID) 6/9.

11. REQUIREMENT: 481 SM ADEQUATE: 7,896 SM SUBSTANDARD: 0 SM

PROJECT: Construct a Storage Igloo and Addition. (New Mission)

REQUIREMENT: An adequately sized and configured storage igloo is required for the implementation of the new Small Diameter Bomb (SDB) weapon system, starting in FY06, in order to provide sufficient warfighting capabilities within the European Theater, as well as the Middle East region. The storage facility needs to provide adequate storage for the new SDB weapon system, promote a safe work environment and minimize potential mishaps. The addition to 1395 is required for the storage of the empty SDB carriages and containers. Project must comply with regional AT/FP standards

CURRENT SITUATION: RAF Lakenheath does not have the storage capabilities to accommodate this new weapon system. The existing storage igloos have been surveyed and none are the

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF LAKENHEATH, UNITED KINGDOM	SMALL DIAMETER BOMB STORAGE IGLOO AND ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27327	422-264	MSET083002	2,500

correct layout for this munition, nor can they be used without impacting the 48FW's existing mission. The 48FW is the only F-15C/E base in Europe and is involved in many of the Air Forces combat missions in support of contingencies and wartime operations, i.e. Operations IRAQI FREEDOM in Iraq, or ENDURING FREEDOM in Afghanistan.

IMPACT IF NOT PROVIDED: Without this project, the support of contingencies and wartime operations within European and Middle East theaters will be severely hampered, due to non-existing storage and support facilities for this new weapon system for the 48FW. Equivalent weapons will need to be brought on scene directly from CONUS via airlift, possibly leading to extended operation delays and jeopardizing mission success.

ADDITIONAL: This project is not currently eligible for NATO funding. However, a precautionary prefinance statement will be submitted in the event eligibility is established. This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements". A preliminary analysis of reasonable options was done and indicated that only one option meets operational requirements. Therefore, an economic analysis was not performed. A certificate of exception is being prepared. Base Civil Engineer, Lt Col Dimasalang F. Junio, DSN 226-2100 (Commercial: 001-44-1638-522-100) (SDB Storage Igloo: 225 SM = 2,421 SF; SDB Addition to 1395: 256 SM = 2,755 SF)

FOREIGN CURRENCY: FCF Budget Rate Used: POUNDS .593

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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF LAKENHEATH, UNITED KINGDOM	SMALL DIAMETER BOMB STORAGE IGLOO AND ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27327	422-264	MSET083002	2,500

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 Most Recently Used -

(3) All Other Design Costs 115

(4) Construction Contract Award 05 DEC

(5) Construction Start 06 FEB

(6) Construction Completion 06 DEC

(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 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
RAF MILDENHALL, UNITED KINGDOM	UNITED STATES AIR FORCES, EUROPE	1.2

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 04	428	3620	895	0	0	0	11	125	7	5079
END FY 2009	427	3661	884	0	0	0	11	125	7	5108

7. INVENTORY DATA ($000)		
a. Total Acreage:	1,161	
b. Inventory Total as of : (30 Sep 04)		1,296,174
c. Authorization Not Yet in Inventory:		83,800
d. Authorization Requested in this Program:		13,500
e. Authorization Included in the Following Program:	(FY 2007)	0
f. Planned in Next Three Years Program:		55,250
g. Remaining Deficiency:		32,124
h. Grand Total:		1,480,848

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
610-127	Base Engineer Complex	3,008 SM	13,500	Design	Build
		Total	13,500		

9a. Future Projects: Included in the Following Program: (FY2007)

No projects in FY2007

Total		0

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

219-944	Base Engineer Complex	5,341 SM	10,550
141-786	Mobility Processing Center	3,040 SM	6,300
610-121	Logistics Readiness Squadron Complex	4,924 SM	14,400
131-111	Communication Complex	7,335 SM	20,000
740-675	Library	1,114 SM	4,000
		Total	55,250

9c. Real Propery Maintenance Backlog This Installation ($M) 83

10. Mission Functions: A host air refueling wing supporting a KC-135 squadron and the European Tanker Task Force; headquarters Third Air Force; a special operations group flying MC-130H/P and MH-53M aircraft; a reconnaissance squadron; an intelligence squadron; and an air mobility support squadron.

11. Outstanding pollution and Safety (OSHA Deficiencies:	None
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 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF MILDENHALL, UNITED KINGDOM	BASE ENGINEER COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	610-127	QFQE923004A	13,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
BASE ENGINEERING COMPLEX				7,806
CIVIL ENGINEER ADMINISTRATION	SM	1,820	2,359	(4,294)
CIVIL ENGINEER DISASTER PREPAREDNESS	SM	1,188	2,359	(2,803)
ANTITERRORISM/FORCE PROTECTION	SM	3,008	236	(709)
SUPPORTING FACILITIES				4,712
COMMUNICATIONS	LS			(860)
DEMOLITION	SM	2,067	238	(492)
DISPLACED FACILITIES	LS			(590)
UTILITIES	LS			(720)
PAVEMENTS	LS			(1,225)
SITE IMPROVEMENTS	LS			(825)
SUBTOTAL				12,518
CONTINGENCY (5.0 %)				626
TOTAL CONTRACT COST				13,143
SUPERVISION, INSPECTION AND OVERHEAD (2.5 %)				329
TOTAL REQUEST				13,472
TOTAL REQUEST (ROUNDED)				13,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(603)

10. Description of Proposed Construction: Reinforced concrete foundation, steel structure, masonry clad exterior walls and slate roof, three floor facility with partition walls for administrative space. Includes communications, force protection, fire protection, heating, lighting, ventilation, storage and toilets. To accommodate; Readiness and Base Engineer functional administration facilities plus infrastructure to allow for a future second phase. Demolishes three buildings (2,067 SM).

Air Conditioning: 25 Tons

11. REQUIREMENT: 3,008 SM ADEQUATE: 317 SM SUBSTANDARD: 2,668 SM

PROJECT: Construct Base Engineer Complex (Current Mission).

REQUIREMENT: An adequate facility properly sized and configured is required to house the Readiness, Engineering, Environmental, Resources, Maintenance Engineering Flights, and administrative functions of the Base Civil Engineer (BCE). This is the first phase of a two-phase complex bringing the whole BCE function under one roof in a centralized location adjacent to the base main access, improving access and response to mission essential functions. The supporting facilities costs exceed 25% as the pavement required for the complete complex is included in this first phase to prevent future disruption and airfield FOD. AT/FP costs on this project are higher due to force protection requirements for thicker glass and wall reinforcement.

CURRENT SITUATION: The existing Base Civil Engineer function is housed in 32 facilities, most constructed between 1933 and 1960 spread out across the base, supporting the facility maintenance practices of that time. The management building was

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM		4. PROJECT TITLE BASE ENGINEER COMPLEX	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 610-127	7. PROJECT NUMBER QFQE923004A	8. PROJECT COST ($000) 13,500

a 1933 hospital, resulting in many unusable spaces within the interior floor plan, plus flights are fragmented due to configuration of the facility. Readiness shares part of an aircraft hangar remote from the remainder of the squadron and without adequate facilities. Twenty buildings totalling 5,376 SM will be demolished upon completion of the second phase of this complex.

IMPACT IF NOT PROVIDED: Base Civil Engineer function will remain inefficiently spread across 32 buildings. Fragmentation of organization leads to loss of productivity, low morale and supervisory challenges in old facilities that waste space, resources and lack storage. Airmen continue to work in leaky offices with little heat and light and a continued life safety risk. Critical force protection stand-off distance won't be met leaving personnel vulnerable to terrorist bombing. Squadron personnel will continue to be dispersed between over 32 separate buildings, negatively impacting supervision, training, and mission support efficiency.

ADDITIONAL: This project is not eligible for NATO funding. Second phase FY07 $10.55M project QFQE 923004B will bring the Operations elements of Heavy Repair, Vertical, Pavements, Grounds, Fuels, and Self Help Store within the same BCE complex. It will demolish 5,376 SM of degraded facilities and convert 3,561 SM to other base functions. This project is not eligible for NATO funding because it not within established criteria. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements".
Base Civil Engineer: Lt Col Lonny P. Baker Tel: 01638 542205. (Base Engineer Complex: 3,008 SM = 32,366 SF.)

FOREIGN CURRENCY: FCF Budget Rate Used: POUND .593

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

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF MILDENHALL, UNITED KINGDOM	BASE ENGINEER COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	610-127	QFQE923004A	13,500

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 Most Recently Used -

(3) All Other Design Costs 675

(4) Construction Contract Award 05 DEC

(5) Construction Start 06 FEB

(6) Construction Completion 07 JUN

(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)
FURNITURE	3400	2006	327
WORKSTATIONS	3400	2006	210
REPRODUCTION EQUIPMENT	3400	2006	66

PLANNING AND DESIGN

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION VARIOUS LOCATIONS	COMMAND: HQ USAF WASHINGTON, DC	5. AREA CONST COST INDEX

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 Sep 04										
END FY 2009										

7. INVENTORY DATA ($000)

Total Acreage:		
Inventory Total as of : (30 Sep 04)		0
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		79,047
Authorization Included in the Following Program:	(2007)	98,015
Planned in Next Four Year Program:		616,494
Remaining Deficiency:		0
Grand Total:		793,556

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
010-211	Planning and Design		79,047		
		Total	79,047		

9a. FUTURE PROJECTS: Included in the Following Program: (FY2007)

010-211	Planning and Design		98,015
		Total	98,015

9b. FUTURE PROJECTS: Typical Planned Next Four Years:

010-211	Planning and Design		152,156
010-211	Planning and Design		153,564
010-211	Planning and Design		154,270
010-211	Planning and Design		156,504
		Total	616,494

9c. REAL PROPERTY MAINTENANCE BACKLOG THIS INSTALLATION

11. OUTSTANDING POLLUTION AND SAFETY (OSHA DEFICIENCIES):

a. Air pollution

b. Water Pollution

c. Occupational Safety and Health

d. Other Environmental

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HQ USAF, DISTRICT OF COLUMBIA	PLANNING AND DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
91211	102-11	PAYZ060001	79,047

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
PLANNING AND DESIGN				79,047
PLANNING AND DESIGN	LS			(79,047)
SUPPORTING FACILITIES				0
SUBTOTAL				79,047
TOTAL CONTRACT COST				79,047
TOTAL REQUEST				79,047
TOTAL REQUEST (ROUNDED)				79,047

10. Description of Proposed Construction: The funds requested will be used to provide financing for architectural and engineering services for Air Force Military Construction and host nation funded construction programs.

11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS

PROJECT: As required.

REQUIREMENT: These planning and design funds are required to complete the design of facilities in the FY07 Military Construction Program, initiate design of facilities in the FY08 Military Construction Program and accomplish planning and design for major and complex technical projects with long lead-time to be included in subsequent Military Construction programs. Also provide funds for value engineering and for the support of design and construction management of projects that are funded by foreign governments and for design of classified and special programs. In addition, these funds are also used for developing Tri-Services Cost Estimating Guide and Unified Facilities Criteria.

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HQ USAF, DISTRICT OF COLUMBIA	PLANNING AND DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
91211	102-11	PAYZ060001	79,047

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2005	
* (d) Date 35% Designed	
(e) Date Design Complete	
(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	0
(b) All Other Design Costs	0
(c) Total	0
(d) Contract	0
(e) In-house	0

(4) Construction Contract Award

(5) Construction Start

(6) Construction Completion

* 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

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UNSPECIFIED MINOR CONSTRUCTION

1. COMPONENT AIR FORCE	FY 2006 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION VARIOUS LOCATIONS	COMMAND: HQ USAF WASHINGTON, DC	5. AREA CONST COST INDEX

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 Sep 04 END FY 2009										

7. INVENTORY DATA ($000)

Total Acreage:		
Inventory Total as of : (30 Sep 04)		0
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		15,000
Authorization Included in the Following Program:	(2007)	15,000
Planned in Next Four Year Program:		68,000
Remaining Deficiency:		0
Grand Total:		98,000

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2006)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
010-211	Unspecified Minor Construction		15,000		
		Total	15,000		

9a. FUTURE PROJECTS: Included in the Following Program: (FY2007)

010-211	Unspecified Minor Construction		15,000
		Total	15,000

9b. FUTURE PROJECTS: Typical Planned Next Four Years:

010-211	Unspecified Minor Construction		16,000
010-211	Unspecified Minor Construction		16,000
010-211	Unspecified Minor Construction		18,000
010-211	Unspecified Minor Construction		18,000
		Total	68,000

9c. REAL PROPERTY MAINTENANCE BACKLOG THIS INSTALLATION

11. OUTSTANDING POLLUTION AND SAFETY (OSHA DEFICIENCIES):

a. Air pollution

b. Water Pollution

c. Occupational Safety and Health

d. Other Environmental

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2006 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HQ USAF, DISTRICT OF COLUMBIA	UNSPECIFIED MINOR CONSTRUCTION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
91211	102-11	PAYZ060002	15,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
PLANNING AND DESIGN				15,000
PLANNING AND DESIGN	LS			(15,000)
SUPPORTING FACILITIES				0
SUBTOTAL				15,000
TOTAL CONTRACT COST				15,000
TOTAL REQUEST				15,000
TOTAL REQUEST (ROUNDED)				15,000

10. Description of Proposed Construction: Provide a lump sum amount for unspecified construction projects not otherwise authorized by law. Minor construction projects costing less than these limits are authorized to be funded from the operations and maintenance appropriation. Includes construction, alteration, or conversion of permanent or temporary facilities.

11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS

PROJECT: As required.

REQUIREMENT: Minor construction projects authorized by 10 U.S. Code 2805 are military construction projects with an estimated funded cost between $750,000 and $1,500,000; however, projects with an estimated funded cost of $1,000,000 to $3,000,000 may be funded under this authority when specifically planned to correct a life, health or safety deficiency. This package provides a means of accomplishing urgent projects that are not identified but which are anticipated to arise during FY06. Included would be projects to support mission requirements, support of new equipment and concepts, and other essential support to Air Force missions and functions that could not wait until availability of FY06 Military Construction Program funds.