Department of the Air Force

Military Construction Program

Fiscal Year (FY) 2009
Budget Estimates

Justification Data Submitted to Congress
February 2008

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Fiscal Year (FY) 2009
Budget Submission

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Department of the Air Force
Military Construction and Military Family Housing
Program Summary
Fiscal Year 2009

	Appropriation Request ($000s)	Authorization Request ($000s)
Military Construction	**(Sec 2301)**	**(Sec 2304)**
Inside the United States	713,960	713,960
Outside the United States	135,438	135,438
Planning and Design (10 USC 2807)	70,494	70,494
Unspecified Minor Construction (10 USC 2805)	15,000	15,000
Total Military Construction	**$ 934,892**	**$ 934,892**
Military Family Housing	**(Sec 2302/2303)**	**(Sec 2304)**
New Construction	71,828	71,828
Post Acquisition Construction	316,343	316,343
Advance Planning and Design	7,708	7,708
Subtotal MFH Construction	**$ 395,879**	**$ 395,879**
Operations, Utilities, and Maintenance	451,659	451,659
Leasing	94,246	94,246
Privatization	53,559	53,559
Debt Payment	1	1
Subtotal MFH Other	**$ 599,465**	**$ 599,465**
Total	**$ 995,344**	**$ 995,344**
Reimbursement Program	**$ 8,854**	**$ 8,854**
Total Military Family Housing	**$ 1,004,198**	**$ 1,004,198**
Grand Total Air Force	**$ 1,939,090**	**$ 1,939,090**

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DEPARTMENT OF THE AIR FORCE

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2009

(DOLLARS IN THOUSANDS)

INSIDE THE US

State	Installation	Title	APPROP REQUEST ($000)	AUTH REQUEST ($000)	Page
DELAWARE					
	Dover				
		ADAL Fitness Center	$19,000	$19,000	62
		Dover Summary:	$19,000	$19,000	
		Delaware Summary:	$19,000	$19,000	
FLORIDA					
	Eglin				
		F-35 Student Dormitory (144 Room)	$19,000	$19,000	66
		Eglin Summary:	$19,000	$19,000	
	MacDill				
		SOCCENT Headquarters & Commandant Facilities	$21,000	$21,000	70
		MacDill Summary:	$21,000	$21,000	
		Florida Summary:	$40,000	$40,000	
GEORGIA					
	Robins				
		Aircraft Hangar	$24,100	$24,100	74
		Robins Summary:	$24,100	$24,100	
		Georgia Summary:	$24,100	$24,100	
MARYLAND					
	Andrews				
		NCR Relocation - Administrative Facility	$49,648	$49,648	78
		Administrative Facility Addition	$28,000	$28,000	81
		Andrews Summary:	$77,648	$77,648	
		Maryland Summary:	$77,648	$77,648	
MISSISSIPPI					
	Columbus				
		Child Development Center	$8,100	$8,100	85
		Columbus Summary:	$8,100	$8,100	
		Mississippi Summary:	$8,100	$8,100	

State	Installation	Title	APPROP REQUEST ($000)	AUTH REQUEST ($000)	Page
NEVADA					
	Creech				
		UAS Operations Facility	$16,200	$16,200	89
		UAS Flight Simulator and Academics Facility	$9,800	$9,800	92
		UAS 432 Wing HQ Mission Support Facility	$7,000	$7,000	95
		UAS Dining Hall	$9,000	$9,000	98
		UAS Main Gate/Sewer Transfer Station/Infrastructure	$6,500	$6,500	101
		Creech Summary:	$48,500	$48,500	
	Nellis				
		Airfield Pavements	$5,000	$5,000	105
		F-16 Aggressor Squadron Operations Facility/Infr	$17,500	$17,500	108
		F-16 Aggressor Hangar/Aircraft Maintenance Unit	$30,800	$30,800	111
		Nellis Summary:	$53,300	$53,300	
		Nevada Summary:	$101,800	$101,800	
NEW MEXICO					
	Holloman				
		F-22 Add/Alter Flight Simulator Facility	$3,150	$3,150	115
		F-22 Add/Alter Aircraft Maintenance Unit	$1,050	$1,050	118
		F-22 Add/Alter Jet Engine Maintenance Shop	$2,150	$2,150	121
		F-22 Alter Hangar Bay for LO/Composite Rpr Fac.	$14,500	$14,500	124
		F-22 Aerospace Ground Equipment (AGE) Facility	$4,600	$4,600	127
		Holloman Summary:	$25,450	$25,450	
		New Mexico Summary:	$25,450	$25,450	
OKLAHOMA					
	Tinker				
		DMRT – 3 Bay Multi-Aircraft Hangar	$48,600	$48,600	131
		Tinker Summary:	$48,600	$48,600	
		Oklahoma Summary:	$48,600	$48,600	
SOUTH CAROLINA					
	Charleston				
		C-17 Flight Simulator Addition	$4,500	$4,500	135
		Charleston Summary:	$4,500	$4,500	
		South Carolina Summary:	$4,500	$4,500	

State	Installation	Title	APPROP REQUEST ($000)	AUTH REQUEST ($000)	Page
TEXAS					
	Fort Hood				
		Joint Air Ground Center	$10,800	$10,800	139
		Fort Hood Summary:	$10,800	$10,800	
	Lackland				
		BMT Recruit Dormitory	$75,515	$75,515	143
		Lackland Summary:	$75,515	$75,515	
		Texas Summary:	$86,315	$86,315	
UTAH					
	Hill				
		F-22 Heavy MX Facility and Composite Back Shop	$36,000	$36,000	147
		Hill Summary:	$36,000	$36,000	
		Utah Summary:	$36,000	$36,000	
WASHINGTON					
	McChord				
		C-17 ADAL Flight Simulator	$5,500	$5,500	151
		McChord Summary:	$5,500	$5,500	
		Washington Summary:	$5,500	$5,500	
WYOMING					
	FE Warren				
		Renovate Historic Dormitory	$8,600	$8,600	155
		F E Warren Summary:	$8,600	$8,600	
		Wyoming Summary:	$8,600	$8,600	
WORLDWIDE					
	Classified				
		Special Evaluation Program	$891	$891	158
		Classified Summary:	$891	$891	
	Unspecified				
		UAS Field Training Unit Operations Complex	$15,500	$15,500	159
		Common Battlefield Airman Training Complex	$15,000	$15,000	162
		UAS Field Training Unit Maintenance Complex	$22,000	$22,000	165
		Unspecified Summary:	$52,500	$52,500	
		Worldwide Summary:	$53,391	$53,391	
		CONUS Total:	$713,960	$713,960	

DEPARTMENT OF THE AIR FORCE

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2009

(DOLLARS IN THOUSANDS)

OUTSIDE THE US

DEPARTMENT OF THE AIR FORCE

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2009

(DOLLARS IN THOUSANDS)

WORLDWIDE

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.

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.

FY09	APPROP ($000)	AUTH FOR APPROP ($000)
NEW MISSION	$413,841	$413,841
CURRENT MISSION	$435,557	$435,557
PLANNING & DESIGN	$70,494	$70,494
MINOR CONSTRUCTION	$15,000	$15,000
TOTAL:	$934,892	$934,892

DEPARTMENT OF THE AIR FORCE

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2009

CURRENT MISSION/NEW MISSION BREAKOUT

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST ($000)	AUTH REQUEST ($000)	TYPE
ALABAMA	Maxwell	ASBC CATM TRAINING FACILITY	$15,556	$15,556	CM
COLORADO	USAFA	Upgrade Academic Facility, Phase V	$18,000	$18,000	CM
DELAWARE	Dover	ADAL Fitness Center	$19,000	$19,000	CM
GEORGIA	Robins	Aircraft Hangar	$24,100	$24,100	CM
GUAM	Andersen	Combat Communications Maintenance	$5,200	$5,200	CM
MARYLAND	Andrews	NCR Relocation - Administrative Facility	$49,648	$49,648	CM
MARYLAND	Andrews	Administrative Facility Addition	$28,000	$28,000	CM
MISSISSIPPI	Columbus	Child Development Center	$8,100	$8,100	CM
NEVADA	Nellis	Airfield Pavements	$5,000	$5,000	CM
OKLAHOMA	Tinker	DMRT – 3 Bay Multi-Aircraft Hangar	$48,600	$48,600	CM
TEXAS	Lackland	BMT Recruit Dormitory	$75,515	$75,515	CM
WYOMING	FE Warren	Renovate Historic Dormitory	$8,600	$8,600	CM
AFGHANISTAN	Bagram	C-130 Maintenance Hangar	$27,400	$27,400	CM
AFGHANISTAN	Bagram	Refueler Ramp	$21,000	$21,000	CM
AFGHANISTAN	Bagram	Cargo Handling Area Expansion	$8,800	8,800	CM
KYRGYZSTAN	Manas	Hot Cargo Pad	$6,000	$6,000	CM
QATAR	Al Udeid	CAS Parking Apron	$59,638	$59,638	CM
UNITED KINGDOM	RAF Lakenheath	Large Vehicle Inspection Station	$7,400	$7,400	CM
		CURRENT MISSION TOTAL:	**$435,557**	**$435,557**	
ALASKA	Elmendorf	F-22 Squad Operations / AMU / 6-Bay	$41,100	$41,100	NM
ALASKA	Elmendorf	F-22 Corrosion Ctrl / LO MX / Composite	$22,400	$22,400	NM
ALASKA	Elmendorf	F-22 8-Bay Aircraft Shelter	$22,200	$22,200	NM
ALASKA	Elmendorf	F-22 7-Bay Aircraft Shelter	$20,400	$20,400	NM
ALASKA	Elmendorf	F-22 Flight Simulator Training Facility	$16,400	$16,400	NM
ALASKA	Elmendorf	F-22 Aerospace Ground Equipment Shop	$7,200	$7,200	NM
ALASKA	Elmendorf	F-22 Field Training Detachment Facility	$6,600	$6,600	NM
ALASKA	Elmendorf	C-17 Restore Road	$2,000	$2,000	NM
CALIFORNIA	Edwards	F-35 - Ramp and Security Upgrade	$3,100	$3,100	NM
FLORIDA	MacDill	SOCCENT Headquarters & Commandant	$21,000	$21,000	NM
FLORIDA	Eglin	F-35 Student Dormitory	$19,000	$19,000	NM
NEW MEXICO	Holloman	F-22 Alter Hangar Bay for LO/Composite	$14,500	$14,500	NM
NEW MEXICO	Holloman	F-22 Aerospace Ground Equipment (AGE)	$4,600	$4,600	NM
NEW MEXICO	Holloman	F-22 Add/Alter Flight Simulator Facility	$3,150	$3,150	NM
NEW MEXICO	Holloman	F-22 Add/Alter Jet Engine Maintenance Shop	$2,150	$2,150	NM
NEW MEXICO	Holloman	F-22 Add/Alter Aircraft Maintenance Unit	$1,050	$1,050	NM
NEVADA	Nellis	F-16 Aggressor Hangar/Aircraft Maintenance	$30,800	$30,800	NM
NEVADA	Nellis	F-16 Aggressor Squadron	$17,500	$17,500	NM
NEVADA	Creech	UAS Operations Facility	$16,200	$16,200	NM
NEVADA	Creech	UAS Flight Simulator and Academics Facility	$9,800	$9,800	NM
NEVADA	Creech	UAS Dining Hall	$9,000	$9,000	NM
NEVADA	Creech	UAS 432 Wing HQ Mission Support Facility	$7,000	$7,000	NM
NEVADA	Creech	UAS Main Gate/Sewer Transfer	$6,500	$6,500	NM
SOUTH CAROLINA	Charleston	C-17 Flight Simulator Addition	$4,500	$4,500	NM
TEXAS	Fort Hood	Joint Air Ground Center	$10,800	$10,800	NM
UTAH	Hill	F-22 Heavy Maintenance Facility and	$36,000	$36,000	NM
WASHINGTON	McChord	C-17 ADAL Flight Simulator	$5,500	$5,500	NM
WW UNSPECIFIED	Classified	Special Evaluation Program	$891	$891	NM
WW UNSPECIFIED	WW Unspecified	Common Battlefield Airman Training	$15,000	$15,000	NM
WW UNSPECIFIED	WW Unspecified	UAS Field Training Unit Maintenance	$22,000	$22,000	NM
WW UNSPECIFIED	WW Unspecified	UAS Field Training Unit Operations	$15,500	$15,500	NM
		NEW MISSION TOTAL:	**$413,841**	**$413,841**	

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST ($000)	AUTH REQUEST ($000)	TYPE
VARIOUS LOCATIONS	Various	Unspecified Minor Construction (Active)	$15,000	$15,000	P-341
VARIOUS LOCATIONS	Various	Planning and Design (Active)	$70,494	$70,494	P&D
		CENTRAL PROGRAM TOTAL:	**$85,494**	**$85,494**	
		TOTAL ACTIVE AF PROGRAM:	**$934,892**	**$934,892**	

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MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 2009 PRESIDENT'S BUDGET
INSTALLATION INDEX

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DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 2009

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.

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 2009 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 2009

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 FY09 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 FY09 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 2009

NON-MILCON FUNDING

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

FY 2009

THIRD PARTY FINANCING

Test of Long-Term Facilities Contracts **NONE**

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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 $934,892,000 to remain available until September 30, 2014: Provided that, of this amount, not to exceed $70,494,000 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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1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

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

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 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 07)		1,457,341
c. Authorization Not Yet in Inventory:		14,300
d. Authorization Requested in this Program:		15,556
e. Authorization Included in the Following Program: (FY 2010)		13,200
f. Planned in Next Three Years Program:		10,000
g. Remaining Deficiency:		7,300
h. Grand Total:		1,517,697

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2009)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
179-475	ASBC CATM Training Facility	639 SM	15,556	DESIGN	BUILD
		Total	15,556		

9a. Future Projects: Included in the Following Program: (FY2010)

171-356	ADAL Air University Library	13,330 SM	13,200
		Total	13,200

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

171-851	Construct Addition, JAG, Blg 694	3,066 SM	10,000
		Total	10,000

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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MAXWELL AIR FORCE BASE, ALABAMA	ASBC CATM TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	179-475	PNQS099362	15,556

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				13,058
SMALL ARMS RANGE, 50 METER	FP	56	209,000	(11,704)
TRAINING/ADMIN/STORAGE AREA	SM	639	1,533	(979)
ANTI TERRORISM FORCE PROTECTION	LS			(355)
SDD & EP ACT 2005	SM	639	31	(20)
SUPPORTING FACILITIES				959
PAVEMENTS	LS			(247)
UTILITIES	LS			(400)
COMMUNICATIONS	LS			(100)
SITE IMPROVEMENTS	LS			(212)
SUBTOTAL				14,016
CONTINGENCY (5.0%)				701
TOTAL CONTRACT COST				14,717
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				839
TOTAL REQUEST				15,556
TOTAL REQUEST (ROUNDED)				15,556

10. Description of Proposed Construction: Air & Space Basic Course (ASBC) Combat Arms Training and Marksmanship (CATM) facility, including a 56-position, 50-meter small arms firing range with automated range target system, and a 639 SM support facility constructed with reinforced concrete foundation and floor slab, structural steel frame, masonry walls and sloped architecturally compatible roof. Also includes site improvements, extended utilities, communications, repair of existing range as necessary, and all necessary support for a complete and usable CATM facility. This project will comply with DoD Anti-terrorism/Force Protection requirements per the Unified Facilities Criteria.

11. Requirement: 83 Adequate: 27 Substandard: 0

PROJECT: Construct new ASBC CATM facility. (New Mission)

REQUIREMENT: Adequate firing range facilities IAW Engineering Technical Letter (ETL) 06-11 Small Arms Range Design and Construction, to support ASBC mission requirements. Facility will include administrative area, classroom, weapons storage/weapons cleaning area, restrooms, and a break area.

CURRENT SITUATION: The current structure is over 60 years old (built in 1943) and does not meet the requirements outlined in ETL 06-11. There are only 27 firing positions available for CATM activities at any given time, currently supporting permanent party (PP), Security Forces Squadron (SFS), Aerospace Expeditionary Force (AEF) pre-deployment training, Officer Training School (OTS), and Reserve Officer Training Corps (ROTC). An additional facility is required due to lack of available space for CATM instructors and projected new mission requirements associated with Air Force Chief of Staff (CSAF)-directed re-vamping of the ASBC curriculum. CSAF has

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA	4. PROJECT TITLE ASBC CATM TRAINING FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	179-475	PNQS099362	15,556

directed the ASBC curriculum to become more combat-focused. A major part of this effort will require every ASBC student to complete CATM qualification within the first segments of classes while attending ASBC.

IMPACT IF NOT PROVIDED: Increased mission requirements cannot be supported with the existing range's capacity in both CATM instructors and available space. This will negatively impact training schedules, and ultimately affect personnel readiness. Without a new CATM facility, Air University (AU) will be unable to meet a critical component of the CSAF-directed re-vamping of ASBC.

ADDITIONAL: This project meets applicable 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 will meet mission requirements. Therfore an economic analysis was not accomplished. A certificate of exception will be prepared. Sustainable principles will be integrated inot the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Mr. John Prior, DSN 493-6945. Small Arms Range Area: 2,133 SM = 22,960 SF. Training/Administrative/Storage/Cleaning Facility: 639 SM = 6,900 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MAXWELL AIR FORCE BASE, ALABAMA	ASBC CATM TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	179-475	PNQS099362	15,556

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 778

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 APR

(6) Construction Completion 10 APR

(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 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
ELMENDORF AIR FORCE BASE ALASKA	PACIFIC AIR FORCES	1.68

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	909	6,542	1,778	0	63	0	117	393	2,300	12,102
END FY 2012	904	6,365	1,724	0	63	0	117	393	2,300	11,866

7. INVENTORY DATA ($000)

Total Acreage:	13,123	
Inventory Total as of : (30 Sep 07)		7,087,740
Authorization Not Yet in Inventory:		135,168
Authorization Requested in this Program:		138,300
Authorization Included in the Following Program:	(FY 2010)	22,500
Planned in Next Three Years Program:		44,428
Remaining Deficiency:		196,900
Grand Total:		7,625,036

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
851-147	C-17 Restore Road	1,646	LM	2,000	Oct-06	Sep-08
141-181	F-22 7 Bay Aircraft Shelter	4,197	SM	20,400	Design	Build
141-181	F-22 8-Bay Aircraft Shelter	4,783	SM	22,200	Design	Build
171-212	F-22 Flight Simulator Training Facility	2,380	SM	16,400	Design	Build
171-617	F-22 Field Training Detachment Facility	1,264	SM	6,600	Design	Build
211-111	F-22 Sq Ops/AMU/6 Bay Hangar	6,705	SM	41,100	Design	Build
211-159	F-22 Corrosion Ctrl/LO MX/Composite Rpr F	2,118	SM	22,400		
218-712	F-22 Aerospace Ground Equipment Shop	1,027	SM	7,200		
		Total		138,300		

9a. Future Projects: Included in the Following Program: (FY2010)

100-001	F-22 Beddown	1	LS	22,500		
		Total		22,500		

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

214-425	Vehicle Ops & Automated Washing Fac	900	SM	6,292		
722-351	North Side Dining/In-Flight Kitchen	825	SM	6,100		
811-145	Rpr Arctic Utilities and Infrastr, Ph 1/10	1	LS	10,296		
179-511	Joint Regional Fire Training Facility	760	SM	6,240		
171-618	C-17 Maintenance Training Device Facility	2,656	SM	15,500		
		Total		44,428		

9c. Real Property Maintenance Backlog This Installation ($M) 53

10. Mission or Major Functions: An host fighter wing supporting an three F-15C/E squadrons, a C-130H and 12F/J tactical airlift squadron, as well as E-3 airborn air control squadron. Also included is a full maintenance complex for all 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	0

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1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 8-BAY AIRCRAFT SHELTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	141-181	FXSB073018	22,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				17,106
AIRCRAFT SHELTER (8-BAY)	SM	4,783	3,472	(16,607)
ANTI-TERRORISM/FORCE PROTECTION	LS			(165)
SDD & EP ACT 2005	SM	4,783	70	(335)
SUPPORTING FACILITIES				2,762
UTILITIES	LS			(805)
SITE IMPROVEMENTS	LS			(240)
COMMUNICATIONS	LS			(200)
AIRCRAFT ACCESS PAVEMENTS	SM	7,399	205	(1,517)
SUBTOTAL				19,868
CONTINGENCY (5.0%)				993
TOTAL CONTRACT COST				20,862
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				1,356
TOTAL REQUEST				22,218
TOTAL REQUEST (ROUNDED)				22,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(45)

10. Description of Proposed Construction: Concrete foundation meeting Alaska seismic and frost heaving requirements, structural steel frame with metal skin and built-up roof, consisting of 8 bays for F-22A aircraft with flow-through capability. Aircraft doors at both ends shall be electrical bi-fold or overhead type. Lighting shall be high-bay and underwing, and heating shall be with floor heaters. Project includes fire suppression/detection, intrusion detection system, environmental controls, utilities, pavements, parking, Priority Level 3 security requirements, site improvements, and all necessary supporting facilities for a complete and usable facility including archeological monitoring and environmental remediation. This project will comply with DoD anti-terrorism/force protection requirements per unified facilities criteria.

11. Requirement: 17781 SM Adequate: 4604 SM Substandard: 0 SM

PROJECT: Construct F-22 8-bay aircraft shelter. (New Mission)

REQUIREMENT: An adequately sized and configured facility is required to support operations of 36 F-22A fighters. Shelters are required to sustain aircraft sortie rates during cold weather, mitigate the impact of arctic weather on aircraft support equipment, and maintain fleet health. This facility, combined with another FY09 project (FXSB073016), will provide enough covered space to generate sorties for one squadron of aircraft. Aircraft arrival is scheduled to begin in January 2008.

CURRENT SITUATION: Generating sorties in the winter requires maintenance operations and aircraft generation to be performed in temperatures as low as -30 degrees Fahrenheit. Maintainer productivity is reduced by 33 percent when temperatures go below 15 degrees due to directed work/rest cycles IAW AFPAM 48-151. Aircraft shelters will protect Airmen from extreme cold conditions, reducing sortie generation time and saving maintenance hours by allowing crews to work in less harsh conditions. Aircraft support equipment issues are also a concern. The

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE F-22 8-BAY AIRCRAFT SHELTER	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 141-181	7. PROJECT NUMBER FXSB073018	8. PROJECT COST ($000) 22,200

fuel in support equipment can thicken in cold weather, rendering the equipment non-operational and causing loss of valuable maintenance time. Additionally, the F-22A Auxiliary Power System requires a 30-minute pre-heat in cold weather. Aircraft shelters eliminate the need for pre-heating, shortening sortie generation times. Finally, although the F-22A has conducted cold weather testing in a controlled environment, the long-term effects of de-icing solution on the aircraft are unknown. If left in the cold, the canopy de-icing is accomplished using hoses connected to off-aircraft heaters. While this works fine for legacy aircraft, the F-22A has protective film on the outside of the canopy, exposing it to potential damage from the hose ends. Damage to the film requires a $1M repair. There are no other facilities available for this purpose.

IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential daily periodic maintenance, repair and sortie generation for the F-22A. Equipment and personnel will be exposed to extreme weather conditions, exposing aircraft to potential damage, degrading sortie generation rates and increasing manpower requirements. Critical combat training mission operations will be severely impacted.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options (status quo, upgrade/removal, new construction) for satisfying this requirement indicates that only one option will meet operational requirements. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col James Hodges (907) 552-3007. Flow-through Aircraft Shelter: 4,783 SM = 51,482 SF.

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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 8-BAY AIRCRAFT SHELTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	141-181	FXSB073018	22,200

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 1,120

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 MAR

(6) Construction Completion 11 JAN

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3400	9	45

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 7 BAY AIRCRAFT SHELTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	141-181	FXSB073016	20,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				15,016
AIRCRAFT SHELTER	SM	4,197	3,472	(14,571)
ANTI-TERRORISM/FORCE PROTECTION	LS			(150)
SDD & EP ACT 2005	SM	4,197	70	(295)
SUPPORTING FACILITIES				3,206
UTILITIES	LS			(905)
AIRCRAFT ACCESS PAVEMENT	SM	9,382	200	(1,876)
COMMUNICATIONS	LS			(125)
SITE IMPROVEMENTS	LS			(300)
SUBTOTAL				18,222
CONTINGENCY (5.0%)				911
TOTAL CONTRACT COST				19,133
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				1,244
TOTAL REQUEST				20,377
TOTAL REQUEST (ROUNDED)				20,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(50)

10. Description of Proposed Construction: Concrete foundation meeting Alaska seismic and frost heaving requirements, structural steel frame with metal skin and built-up roof, consisting of 7 bays for F-22A aircraft with flow-through capability. Aircraft doors at both ends shall be electric bi-fold or overhead type. Lighting shall be high-bay and underwing, and heating shall be with floor heaters. Project includes fire suppression/detection, intrusion detection system, environmental controls, utilities, pavements, parking, Priority Level 3 security requirements, site improvements, and all necessary supporting facilities for a complete and usable facility. This project will comply with DoD anti-terrorism/force protection requirements per unified facilities criteria.

11. Requirement: 17781 SM Adequate: 4604 SM Substandard: 0 SM

PROJECT: Construct F-22 7-Bay Aircraft Shelter. (New Mission)

REQUIREMENT: An adequately sized and configured facility is required to support operations of 36 F-22A fighters. Shelters are required to sustain aircraft sortie generation rats during cold weather, mitigate the impact of arctic weather on aircraft support equipment, and maintain fleet health. This facility combined with another FY09 project (FSXB073018), will provide enough covered space to generate sorties for one squadron of aircraft. Aircraft delivery is scheduled to begin in January 2008.

CURRENT SITUATION: Generating aircraft in the winter requires maintenance operations and aircraft generation to be performed in temperatures as low as -30 degrees Fahrenheit. Maintainer productivity is reduced by 33 percent once temperatures go below 15 degrees due to directed work cycles IAW AFPAM 48-151. Aircraft shelters will protect Airmen from extreme cold conditions, reducing sortie generation time and saving maintenance hours by allowing crews to work in less harsh conditions. In addition, aircraft support equipment issues are also a concern. The fuel in support equipment can thicken in cold weather rendering the

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE F-22 7 BAY AIRCRAFT SHELTER	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 141-181	7. PROJECT NUMBER FXSB073016	8. PROJECT COST ($000) 20,400

equipment non-operational and causing loss of valuable maintenance time. Additionally, the F-22A Auxiliary Power System requires a 30-minute pre-heat in cold weather. Aircraft shelters eliminate the need for pre-heating, shortening sortie generation times. Finally, although the F-22A has conducted cold weather testing in a controlled environment, the long-term effects of de-icing solution on the aircraft are unknown. If left in the cold, the canopy de-icing is accomplished using hoses connected to off-aircraft heaters. While this works fine for legacy aircraft, the F-22A has protective film on the outside of the canopy, exposing it to potential damage from the hose ends. Damage to the film requires a $1M repair. There are no other facilities available for this purpose.

IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential daily periodic maintenance, repair, and sortie generation procedures for the F-22A. Equipment and personnel will be exposed to extreme weather conditions, exposing aircraft to potential damage, degrading sortie capability, and increasing manpower requirements. Critical combat training mission operations will be severely impacted.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options (status quo, upgrade/removal, new construction) for satisfying this requirement indicates that only one option will meet operational requirements. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col James Hodges (907) 552-3007. Flow-through Aircraft Shelter: 4,197 SM = 45,176 SF.

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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA	4. PROJECT TITLE F-22 7 BAY AIRCRAFT SHELTER	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	141-181	FXSB073016	20,400

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures	
(2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used	NO
(3) All Other Design Costs	1,020
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	10 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS	3400	9	50

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 FLIGHT SIMULATOR TRAINING FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-212	FXSB073010	16,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				12,733
FLIGHT SIMULATOR TRAINING	SM	2,380	5,193	(12,359)
ANTI-TERRORISM/FORCE PROTECTION	LS			(126)
SDD & EP ACT 2005	SM	2,380	104	(247)
SUPPORTING FACILITIES				1,917
UTILITIES	LS			(768)
PAVEMENTS	LS			(423)
SITE IMPROVEMENTS	LS			(514)
COMMUNICATIONS	LS			(212)
SUBTOTAL				14,650
CONTINGENCY (5.0%)				733
TOTAL CONTRACT COST				15,383
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				1,000
TOTAL REQUEST				16,383
TOTAL REQUEST (ROUNDED)				16,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(38,235)

10. Description of Proposed Construction: Construct facility with concrete foundation meeting Alaska seismic and frost heaving requirements, structural steel frame with insulated metal skin, and standing seam metal roof. Includes two simulator bays, training classrooms, secure work areas, fire suppression/detection, intrusion detection system, environmental controls, utilities, communications, pavements, parking, site improvements, and all necessary supporting facilities for a complete and usable facility. This project will comply with DoD anti-terrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 50 Tons

11. Requirement: 5315 SM Adequate: 2935 SM Substandard: 0 SM

PROJECT: Construct F-22 Flight Simulator Training Facility. (New Mission)

REQUIREMENT: An adequately sized and configured Flight Simulator Training Facility is required to support the beddown of 36 F-22A fighters. The Simulator Training Facility will house facilities to teach pilots how to use the aircraft in combat. The two squadrons require four F-22A Full Mission Trainers (FMTs), support equipment, and four brief/debrief classrooms in this facility. The FMTs must be networked to support multi-ship training. Space is also required for instructor offices, administrative support, Training System Support Center (TSSC) interfaces, and a Contractor Logistical Support (CLS) maintenance area to support TSSC components. There are both unclassified and classified areas in this facility with the classified areas requiring Intrusion Detection System. Aircraft delivery is scheduled to begin in January 2008.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE F-22 FLIGHT SIMULATOR TRAINING FACILITY	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 171-212	7. PROJECT NUMBER FXSB073010	8. PROJECT COST ($000) 16,400

CURRENT SITUATION: The existing facility is currently located within an explosives safety quantity-distance arc under a PACAF waiver. The bays are too low and too small for the F-22A FMTs. Additionally, the existing facility will continue to support remaining F-15 aircraft.

IMPACT IF NOT PROVIDED: Without this facility, Elmendorf AFB will be unable to install and operate the four F-22A FMTs to support F-22A training and certification. Consequently, pilots will not receive required training, impairing unit readiness and proficiency. Aircrews will suffer significant degradation of operational capability. Simulators are being purchased to support the training requirement and will require storage at government expense until facility is complete.

ADDITIONAL: This project meets the criteria/scope specified in "F/A-22 Facilities Requirements Plan Rev. T" October 2005, and 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. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col James Hodges, (907) 552-3007. Simulator Training Facility: 2,380 SM = 25,618 SF.

JOINT USE CERTIFICATION: These facilities 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA	4. PROJECT TITLE F-22 FLIGHT SIMULATOR TRAINING FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-212	FXSB073010	16,400

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 820

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 MAR

(6) Construction Completion 10 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 APPR(	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
SIMULATOR EQUIPMENT	3200	2007	38,075
FURNITURE	3400	2008	100
COMMUNICATIONS EQUIPMENT	3400	2008	60

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 FIELD TRAINING DETACHMENT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-617	FXSB073015	6,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				5,177
FIELD TRAINING DETACHMENT FACILITY	SM	1,264	3,986	(5,038)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
SDD & EP ACT 2005	SM	1,264	71	(90)
SUPPORTING FACILITIES				725
UTILITIES	LS			(275)
PAVEMENTS	LS			(150)
SITE IMPROVEMENTS	LS			(200)
COMMUNICATIONS	LS			(100)
SUBTOTAL				5,902
CONTINGENCY (5.0%)				295
TOTAL CONTRACT COST				6,197
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				403
TOTAL REQUEST				6,600
TOTAL REQUEST (ROUNDED)				6,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(8,175)

10. Description of Proposed Construction: Construct facility with concrete foundation meeting Alaska seismic and frost heaving requirements, structural steel frame with insulated metal skin, and a standing seam metal roof. Includes secure and unsecure offices and training areas, fire suppression/detection, intrusion detection system, environmental controls, communications, utilities, pavements, parking, site improvements, and all necessary supporting facilities for a complete and usable facility. This project will comply with DoD anti-terrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 25 Tons

11. Requirement: 1264 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct F-22 Field Training Detachment Facility. (New Mission)

REQUIREMENT: An adequately sized and configured Field Training Facility is required to support the beddown of 36 F-22A fighters. The training facility will house functions to train aircraft maintainers on procedures and techniques to ensure the combat capabilities of the F-22A aircraft. Classrooms and two high bay training areas are required to house the engine trainer and the seat and canopy trainer (SCT). Classified and computer based training stations are required as well as one classified classroom. All classified areas will require an Intrusion Detection System. This facility is required to support conversion and upgrade training as well as system specific training for the operational units. Aircraft delivery is scheduled to begin in January 2008.

CURRENT SITUATION: The current facility has multiple F-15C classrooms with training

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE F-22 FIELD TRAINING DETACHMENT FACILITY	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 171-617	7. PROJECT NUMBER FXSB073015	8. PROJECT COST ($000) 6,600

devices, many of which will have to be retained to support the remaining F-15C mission. Other F-15C training facilities are not suitable for F-22A because they cannot be adapted to support the full functionality of the F-22A electronic classroom with its greater power and HVAC requirements and need for raised floors. The existing F-15C SCT bay has inadequate space, ceiling height and lack of trenches for power and communications. The F-15C engine trainer bay is not suitable because the ceiling height is too low and cannot provide adequate clearance for the F-22A's hoist crane ystem.

IMPACT IF NOT PROVIDED: Without this facility, Elmendorf AFB will be unable to receive and install the required maintenance trainers to support F-22A training and certification. In addition, maintainers and other personnel will not receive required training, affecting the unit readiness and individual proficiency. Operational capability will be degraded due to the lack of training opportunities for maintainers.

ADDITIONAL: This project meets the criteria/scope specified in "F-22A Facilities Requirements Plan Rev. T", October 2005 and 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 mission requirements. Therefore, an economic analysis certificate of exception has been prepared. Antiterrorism force protection features will be in accordance with local threat assessment. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col James Hodges, (907) 552-3007. Field Training Facility: 1,264 SM = 13,610 SF.

JOINT USE CERTIFICATION: These facilities 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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 FIELD TRAINING DETACHMENT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-617	FXSB073015	6,600

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 **330**

(4) Construction Contract Award **09 FEB**

(5) Construction Start **09 MAR**

(6) Construction Completion **10 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 APPR(	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
TRAINING EQUIPMENT	3010	2008	8,000
FURNITURE	3400	2009	125
COMMUNICATIONS EQUIPMENT	3400	2009	50

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 SQUAD OPERATIONS/AMU/6 BAY HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-111	FXSB073020	41,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				34,503
SQUADRON OPERATIONS	SM	2,320	4,504	(10,449)
AIRCRAFT MAINTENANCE UNIT	SM	1,393	3,412	(4,753)
MAINTENANCE HANGAR	SM	3,600	4,343	(15,635)
ANTI-TERRORISM/FORCE PROTECTION	LS			(289)
AIRCRAFT ACCESS PAVEMENT	SM	13,887	203	(2,822)
SDD & EP ACT 2005	SM	6,705	83	(557)
SUPPORTING FACILITIES				2,270
UTILITIES	LS			(843)
SITE IMPROVEMENTS	LS			(820)
PAVEMENTS	LS			(500)
COMMUNICATIONS	LS			(107)
SUBTOTAL				36,773
CONTINGENCY (5.0%)				1,839
TOTAL CONTRACT COST				38,611
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				2,510
TOTAL REQUEST				41,121
TOTAL REQUEST (ROUNDED)				41,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(750)

10. Description of Proposed Construction: Construct a concrete foundation meeting Alaska seismic and frost heaving requirements, structural steel frame with metal skin, and standing seam metal roof facility consisting of a consolidated maintenance hangar for 6 aircraft, an aircraft maintenance unit, Active Duty squadron operations areas, and a Reserve squadron operations area. One bay will include capability for a wash rack. Includes secure work areas, fire suppression/detection, intrusion detection system, environmental controls, communications, utilities, pavements, parking, Priority Level 3 security requirements, site improvements and all necessary supporting facilities for a complete and usable facility. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 50 Tons

11. Requirement: 39590 SM Adequate: 11146 SM Substandard: 13421 SM

PROJECT: Construct F-22 Squadron Operations/Aircraft Maintenance Unit/6-Bay Hangar. (New Mission)

REQUIREMENT: An adequately sized and configured combined consolidated maintenance hangar with a wash rack, an aircraft maintenance unit, and squadron operations areas, to include a Reserve associate squadron operations area, is required to support the beddown of 36 F-22A fighters. The state-of-the-art technology and composite materials used to meet stealth mssion criteria require specialized maintenance and repair procedures that must be accomplished in a secure, climate controlled work environment. Aircraft delivery is scheduled to begin in January 2008.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 SQUAD OPERATIONS/AMU/6 BAY HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-111	FXSB073020	41,100

CURRENT SITUATION: There is only one existing facility suitable for modification for the new aircraft and operational requirements. That facility is being upgraded to provide operations and maintenance space, but it only partially meets the requirement. There is no other facility available for this purpose that does not violate airfield clearance criteria. This new facility is essential to meet the base's full requirement for operations and aircraft maintenance.

IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential daily and essential maintenance and repair on F-22A aircraft and squadron operations functions. F-22A personnel and aircraft will be forced to use facilities that violate airfield criteria. Reserve component will not have adequate facilities upon relocation, which will negatively impact their ability to fully augment the active force under activation conditions, and will be unable to provide appropriate command, control, and support of the Reserve associate aircrews assigned to the installation.

ADDITIONAL: This project's cost shown includes a 608 SM Reserve associate squadron operations area. This project meets the criteria/scope specified in "F/A-22 Facilities Requirements Plan" Rev T, (October 2005). A preliminary analysis of reasonable options (status quo, upgrade/removal, new construction) 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. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil engineer: Lt Col James Hodges, (907) 552-3007. Squadron Operations/AMU/6 Bay Hangar: 7314 SM = 78,728 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA	4. PROJECT TITLE F-22 SQUAD OPERATIONS/AMU/6 BAY HANGAR	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-111	FXSB073020	41,100

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Project to be accomplished by design-build procedures	
(2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used	NO
(3) All Other Design Costs	2,055
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	11 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMPUTER EQUIPMENT	3400	2010	150
FURNISHINGS	3400	2010	350
EQUIPMENT	3400	2010	250

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 CORROSION CTRL/LO MX/COMPOSITE RPR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-159	FXSB073008B	22,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				10,258
LO MAINT/COMPOSITE RPR/COR CONTROL	SM	2,118	4,702	(9,959)
ANTI-TERRORISM/FORCE PROTECTION	LS			(100)
SDD & EP ACT 05	SM	2,118	94	(199)
SUPPORTING FACILITIES				9,793
AIRCRAFT ACCESS APRON	LS			(896)
UTILITIES	LS			(334)
SITE IMPROVEMENTS	LS			(356)
PAVEMENTS	LS			(223)
HVAC	LS			(7,910)
COMMUNICATIONS	LS			(73)
SUBTOTAL				20,051
CONTINGENCY (5.0%)				1,003
TOTAL CONTRACT COST				21,053
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				1,368
TOTAL REQUEST				22,422
TOTAL REQUEST (ROUNDED)				22,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(200)

10. Description of Proposed Construction: Concrete foundation meeting Alaska seismic and frost heaving requirements, structural steel frame with metal skin, consisting of two medium-bay hangars and an access apron for aircraft. Restoration bays must conatin heating, ventilation, and air conditiioning able to meet temperature, humidity, and airflow requirements to support spray-on Low Observable system repair. Includes secure work areas, fire suppression/detection, intrusion detection system, environmental controls, utilities, pavements, parking, Priority Level 3 security requirements, and all necessary supporting facilities for a complete and usable facility. This project will comply with DoD anti-terrorism/ force protection requirements per unified facilities criteria.

Air Conditioning: 100 Tons

11. Requirement: 10239 SM Adequate: 126 SM Substandard: 4418 SM

PROJECT: Construct F-22 Low Observable Maintenance/Composite Repair/Corrosion Control Hangar. (New Mission)

REQUIREMENT: An adequately sized and configured Corrosion Control / Low Observable Maintenance / Composite Repair Facility (LO/CRF) is required to support the beddown of 36 F-22A aircraft. The F-22A's state-of-the-art composite materials have unique equipment and materials for maintenance and repair that require this specialized facility. The facility requires a special corrosion control insert for each LO bay, security measures, and specialized climate control system to regulate temperature,

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE F-22 CORROSION CTRL/LO MX/COMPOSITE RPR FACILITY	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 211-159	7. PROJECT NUMBER FXSB073008B	8. PROJECT COST ($000) 22,400

humidity, and air flow in support of LO maintenance operations. The facility must contain areas for corrosion inspection; on and off-aircraft LO restoration; LO restoration following maintenance (as required); on-aircraft composite repair; and off-equipment training. Elmendorf AFB requires a total of four LO bays to perform adequate maintenance for two fighter squadrons due to the need to control ambient temperatures for curing of repairs. An earlier project (FXSB073008A) provided the office/shop space and two LO maintenance bays. This project will construct the two remaining LO maintenance bays. Aircraft arrival is scheduled to begin in January 2008 when the entire first squadron arrives, followed immediately by the first aircraft for the second squadron.

CURRENT SITUATION: The existing facility at Elmendorf AFB is too small for the F-22A to safely fit inside, and cannot meet or support the F-22A's specialized maintenance and repair requirements. Additionally, the existing facility will still be required to support the remaining F-15 aircraft. The first phase of this project provides adequate LO maintenance space for only one squadron of aircraft.

IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential daily and periodic maintenance and repair of the F-22A. Without the additional low observable maintenance bays provided by this project, roll-on work would have to be accomplished in the multi-aircraft maintenance hangar. Though this works at warmer bases, the cure time for repairs would be violated if the doors were to open for exit or entering aircraft, possibly rendering the repair ineffective. The lack of this faciity would severely degrade the mission capability of the aircraft. There are no known workarounds for the unique maintenance requirements of the F-22A aircraft.

ADDITIONAL: The base has a total requirement for four LO bays to support two operational squadrons, due to weather conditions. An FY07 project (FXSB073008A) will provide two bays. Each project is programmed to be a complete and usable facility. This project meets the criteria/scope specified in "F/A-22 Facilities Requirements Plan", Rev T (October 2005). A preliminary analysis of reasonable options (status quo, upgrade/removal, new construction) 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. Anti-terrorism force protection features will be in accordance with local threat assessment. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Lt Col James Hodges, (907) 552-3007. Corrosion/LO Maint/Composite Repair Facility: 2,118 SM = 22,798 SF.

JOINT USE CERTIFICATION: These facilities 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 CORROSION CTRL/LO MX/COMPOSITE RPR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-159	FXSB073008B	22,400

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	1,120
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	11 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)
COMMUNICATIONS EQUIPMENT	3400	2008	50
EQUIPMENT	3400	2008	150

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 AEROSPACE GROUND EQUIPMENT SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	218-712	FXSB073013	7,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				5,233
AIRCRAFT SUPPORT EQUIPMENT SHOP AND STORAGE	SM	1,027	3,868	(3,973)
GROUND FUELS SUPPLY POINT	LS			(209)
AGE COVERED STORAGE AND PAVEMENTS	LS			(918)
ANTI-TERRORISM/FORCE PROTECTION	LS			(52)
SDD & EP ACT 05	SM	1,027	78	(80)
SUPPORTING FACILITIES				1,192
UTILITIES	LS			(438)
PAVEMENTS	LS			(154)
SITE IMPROVEMENTS	LS			(449)
COMMUNICATIONS	LS			(151)
SUBTOTAL				6,425
CONTINGENCY (5.0%)				321
TOTAL CONTRACT COST				6,746
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				439
TOTAL REQUEST				7,185
TOTAL REQUEST (ROUNDED)				7,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(130.0)

10. Description of Proposed Construction: Construct facility with concrete foundation meeting Alaska seismic and frost heaving requirements; structural steel frame with insulated metal skin, and standing seam metal roof. Includes two roll-up doors 3.66 meters wide by 4.6 meters high. Includes work areas, office area, restrooms, fire suppression/detection, intrusion detection system, environmental controls and ducting, communications, utilities, compressed air, pavements, parking, a ground fuels supply point, site improvements, and all necessary supporting facilities for a complete and usable facility. This project will comply with DoD anti-terrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 0 Tons

11. Requirement: 17849 SM Adequate: 6197 SM Substandard: 10625 SM

PROJECT: Construct F-22 Aerospace Ground Equipment (AGE) Shop and Storage Facility. (New Mission)

REQUIREMENT: Facility is required to support the beddown of 36 F-22A fighters. An adequately sized and configured shop is required to provide space to maintain numerous pieces of AGE unique to the F-22A. This facility is required for inspecting, maintaining, servicing, and repairing assigned powered and non-powered AGE. Over-sized doors are required to allow safe entry and exit of the F-22A Polyalphaolaphin cart required to cool aircraft systems during ground checks and maintenance. Aircraft delivery is scheduled to begin in January 2008.

CURRENT SITUATION: Existing facilities at Elmendorf AFB cannot meet or support F-22A

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE F-22 AEROSPACE GROUND EQUIPMENT SHOP	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 218-712	7. PROJECT NUMBER FXSB073013	8. PROJECT COST ($000) 7,200

unique AGE equipment. Some AGE equipment will not fit through the existing doors, and the facility lacks circulation space for maintenance operations once because of the narrow maintenance bays. The existing facility used by F-15s was designed for parking fuel trucks during winter, and is not compatible for use as an AGE facility. Additionally, the current location is not conducive to the operation and maintenance of two geographically separated F-22A squadrons.

IMPACT IF NOT PROVIDED: The base will be forced to store several pieces of powered AGE outdoors, restricting their ability to function in cold weather, because the diesel and hydraulic fluids will stiffen and restrict flow. AGE personnel will be forced to tow AGE around or across active runways to service aircraft, a difficult and potentially dangerous task in harsh winter weather. The AGE shop's ability to perform its mission with available manpower will be strained.

ADDITIONAL: This project meets the criteria/scope specified in "F/A-22 Facilities Requirements Plan Rev. T" October 2005, and 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 mission requirements. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. Anti-terrorism force protection features will be in accordance with local threat assessment. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Lt Col James Hodge, (907) 552-3007. AGE shop/storage facility: 1,027 SM = 11,050 SF.

JOINT USE CERTIFICATION: These facilities 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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	F-22 AEROSPACE GROUND EQUIPMENT SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	218-712	FXSB073013	7,200

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	04-APR-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	50%
* (d) Date 35% Designed	30-SEP-07
(e) Date Design Complete	30-SEP-08
(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	432
(b) All Other Design Costs	216
(c) Total	648
(d) Contract	576
(e) In-house	72
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	10 OCT

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNITURE	3400	2009	80
COMMUNICATIONS EQUIPMENT	3400	2009	50

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	C-17 RESTORE ROAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	851-147	FXSB083017	2,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				1,787
RESTORE ROAD	LM	21,182	84	(1,787)
SUPPORTING FACILITIES				0
SUBTOTAL				1,787
CONTINGENCY (5.0%)				89
TOTAL CONTRACT COST				1,876
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				122
TOTAL REQUEST				1,998
TOTAL REQUEST (ROUNDED)				2,000

10. Description of Proposed Construction: Replace roadway pavement damaged by construction vehicle traffic to and from building sites supporting the bed down of the C-17 squadron. Project includes curbs where required, drainage, painting and all necessary support.

11. Requirement: LS Adequate: LS Substandard: LS

PROJECT: C-17 Restore Road. (New mission)

REQUIREMENT: This project is in two segments. One segment is the only access to the base for commercial traffic and is used by a substantial amount of privately owned vehicles (POVs) for access to the base. The other segment is the primary route to the North side of the airfield. This road must be in good condition to ensure safety, reduce road maintenance, and wear and tear on vehicles using it.

CURRENT SITUATION: These roads are the only way for construction equipment to access the sites for the new facilities needed to bed down the new C-17 squadron. Because the roads were not designed to support this volume or type of heavy equipment, they will become severely damaged due to construction traffic. A road in poor condition allows moisture to penetrate, which results in frost heaving during the winter months. This further accelerates deterioration of the road.

IMPACT IF NOT PROVIDED: During "break up", when the weather goes through freeze-thaw cycles and the snow is melting, any ice under the road will break up the asphalt paving. This will continue until the road becomes unusable and limits vehicular traffic around the north side of the airfield. A road in this condition can cause damage to vehicles using it, both Government and POVs.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements." Base Civil Engineer: Lt Col James Hodges, 907-552-3007. Restore Road: 21,182 LM = 69,494LF.

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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ELMENDORF AIR FORCE BASE, ALASKA	C-17 RESTORE ROAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	851-147	FXSB083017	2,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	15-OCT-06
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	35%
* (d) Date 35% Designed	28-SEP-07
(e) Date Design Complete	30-SEP-08
(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	09 FEB
(5) Construction Start	09 APR
(6) Construction Completion	09 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 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
EDWARDS AIR FORCE BASE	AIR FORCE MATERIEL	COST INDEX
CALIFORNIA	COMMAND:	1.28

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	818	2477	5129				29	20	112	8,585
END FY 2012	786	2333	5141				29	20	112	8,421

7. INVENTORY DATA ($000)

Total Acreage:	300,911	
Inventory Total as of : (30 Sep 07)		4,004,521
Authorization Not Yet in Inventory:		106,100
Authorization Requested in this Program:		3,100
Authorization Included in the Following Program:	(FY 2010)	20,400
Planned in Next Three Years Program:		57,348
Remaining Deficiency:		39,840
Grand Total:		4,231,309

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
113-321	F-35 Ramp and Security Upgrade	14,150	SM	3,100	Design Build	
		Total		3,100		

9a. Future Projects: Included in the Following Program: (FY2010)

311-115	46th TW - Flight Test Admin Facility	4,552	SM	20,400
		Total		20,400

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

422-258	Upgrade Munitions Complex	10,352	SM	16,139
111-111	Main Base Runway, Phase IV	117,850	SM	14,100
740-674	Fitness Center	7,119	SM	27,109
		Total		57,348

9c. Real Propery Maintenance Backlog This Installation: ($M) 498

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

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
EDWARDS AIR FORCE BASE, CALIFORNIA	F-35 RAMP AND SECURITY UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	113-321	FSPM063507	3,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				2,633
AIRCRAFT PARKING RAMP	SM	12,000	199	(2,387)
ASPHALT SHOULDER	SM	2,150	115	(246)
SUPPORTING FACILITIES				162
FENCING	LM	310	380	(118)
LIGHTING	LS			(44)
SUBTOTAL				2,795
CONTINGENCY (5.0%)				140
TOTAL CONTRACT COST				2,935
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				167
TOTAL REQUEST				3,102
TOTAL REQUEST (ROUNDED)				3,100

10. Description of Proposed Construction: Construct a reinforce concrete aircraft parking ramp expansion and extend security fencing to support Operational Testing of the F-35. The parking ramp will include grounding points, tie-downs, standard airfield markings and asphalt shoulders.

11. Requirement: 14150 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: F-35 Ramp and Security Upgrades. (New Mission)

REQUIREMENT: Construct ramp extension and security upgrade in support of the F-35, Joint Strike Fighter Combined Operational Test & Evaluation (COT&E) flight test program. The aircraft parking ramp needs to be extended to accommodate the COT&E aircraft, allowing them to taxi and be parked within the required safety and security zones. The space is also required to perform O-level maintenance in an operational environment. This project is required prior to the arrival of the F-35 aircraft, because security requirements will not allow for any construction in the vicinity of the aircraft once they arrive at Edwards AFB. The F-35 Test and Evaluation master Plan (TEMP) requires six UASF/CTOL, six USMC/STOVL, Six USN/CV, and two UK/STOVL aircraft.

CURRENT SITUATION: The current F-35 Integrated Test Force (ITF) aircraft ramp footprint will only safely accommodate 12 aircraft. The limited ramp and hangar space currently available at the COT&E facilities will necessitate the continual re-positioning of more than one aircraft to support a sortie launch. Limited turning radius and clearance between structures will increase the possibility and risk of an incident or accident while re-positioning aircraft. Continual re-positioning of F-35 aircraft on the ramp makes it difficult to adequately measure the supportability/maintainabiliy of the aircraft in an operationally representative environment.

IMPACT IF NOT PROVIDED: If the additional ramp space is not provided, the ITF will be unable to meet the COT&E requirement to park and test the F-35 aircraft in an operational and secure environment. Additional manhours will be required to tow each

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA	4. PROJECT TITLE F-35 RAMP AND SECURITY UPGRADE	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	113-321	FSPM063507	3,100

aircraft to and from an area in which they can safely run-up/shut down. This will require additional security for the aircraft during towing. Failure to provide adequate ramp space not only precludes adequate safety and security of the F-35 aircraft, it also adversely impacts the COT&E ability to execute flight testing of the F-35.

ADDITIONAL: This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. This project will provide parking for 8 additional aircraft as well as security upgrades. Base Civil Engineer: Mr. James E. Judkins, (661) 277-2910. Expand Parking Ramp: 12,000 SM = 129,120 SF.

JOINT USE CERTIFICATION: The facility is programmed for joint use with the Navy and Marines.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
EDWARDS AIR FORCE BASE, CALIFORNIA	F-35 RAMP AND SECURITY UPGRADE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	113-321	FSPM063507	3,100

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 155

(4) Construction Contract Award 09 JAN

(5) Construction Start 09 MAR

(6) Construction Completion 10 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 2009 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	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	929	1011	2483	0	182	0	21	4000	190	8,816
END FY 2012	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 07)			429,549
Authorization Not Yet in Inventory:			13,000
Authorization Requested in this Program:			18,000
Authorization Included in the Following Program:		(FY 2010)	17,500
Planned in Next Three Years Program:			24,900
Remaining Deficiency:			38000
Grand Total:			540,949

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
171-853	Upgrade Academic Facility, Ph V	16,695	SM	18,000	Apr-07	Sep-08
		Total		18,000		

9a. Future Projects: Included in the Following Program: (FY2010)

171-157	Add to Cadet Fitness Center	5,199	SM	17,500		
				17,500		

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

171-853	Expand Aero Lab for Wind Tunnel	4,939	SM	8,900		
730-835	Emergency Operations Center	1,400	SM	8,000		
730-839	Construct S. Gate Vehicle Search Fac	474	SM	8,000		
				24,900		

9c. Real Propery Maintenance Backlog This Installation ($M) 187

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

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1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
USAF ACADEMY, COLORADO	UPGRADE ACADEMIC FACILITY, PH V

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85896	171-853	XQPZ060111	18,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				14,358
RENOVATION OF FACILITY	SM	16,695	860	(14,358)
SUPPORTING FACILITIES				1,915
FIRE DETECTION AND ALARM	LS			(890)
COMMUNICATION	LS			(275)
HAZARDOUS MATERIALS ABATMENT	LS			(750)
SUBTOTAL				16,273
CONTINGENCY (5.0%)				814
TOTAL CONTRACT COST				17,086
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				974
TOTAL REQUEST				18,060
TOTAL REQUEST (ROUNDED)				18,000

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: 89055 SM Adequate: 72360 SM Substandard: 16695 SM

PROJECT: Upgrade academic facility, phase V. (Current Mission)

REQUIREMENT: Renovate the Training Devices/Photography area, Communications/Multimedia room, various classrooms and Civil Engineering support area. Corridors and alcoves will also be upgraded. The project includes selective demolition, reconfiguration and full finish upgrades to floors, walls, and ceilings. Fire detection/suppression systems will be upgraded to current code. Asbestos and lead-based paint are present and will be mitigated.

CURRENT SITUATION: Project areas 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. Lighting systems are outdated requiring extensive maintenance and are energy inefficient. Common use areas cannot accommodate current study methods and technologies.

IMPACT IF NOT PROVIDED: Environmental, safety, and building code discrepancies will continue to jeopardize the safety of the occupants. Classrooms and cadet support areas 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 Requirements." 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 autrhorized and appropriated phases are: FY97, Upgrade Academic Facility ($10.47M); FY98, Upgrade Academic Facility ($9.854M); FY00, Upgrade Academic Facility ($17.5M). FY06, Upgrade Academic

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
USAF ACADEMY, COLORADO	UPGRADE ACADEMIC FACILITY, PH V

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85896	171-853	XQPZ060111	18,000

Facility, Phase IVA (!3.0M). FY08, Upgrade Academic Facility ($15.0M). This is the last phase of this project. Base Civil Engineer: Lt Col Deborah McMurtrey, (719) 333-2660. Renovation of Facility: 16,695 SM = 179,638 SF.

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
USAF ACADEMY, COLORADO	UPGRADE ACADEMIC FACILITY, PH V

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85896	171-853	XQPZ060111	18,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	10-APR-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	15%
* (d) Date 35% Designed	10-SEP-07
(e) Date Design Complete	20-SEP-08
(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	1,080
(b) All Other Design Costs	540
(c) Total	1,620
(d) Contract	1,350
(e) In-house	270

(4) Construction Contract Award	08 DEC
(5) Construction Start	09 JAN
(6) Construction Completion	10 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 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
DOVER AIR FORCE BASE	AIR MOBILITY COMMAND	COST INDEX
DELAWARE		1.03

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	431	4527	1341	0	0	0	0	0	0	6,299
END FY 2012	556	4933	1492	0	0	0	0	0	0	6,981

7. INVENTORY DATA ($000)

Total Acreage: 3,824

Inventory Total as of : (30 Sep 07)		1,353,020
Authorization Not Yet in Inventory:		23,042
Authorization Requested in this Program:		19,000
Authorization Included in the Following Program:	(FY 2010)	0
Planned in Next Three Years Program:		22,200
Remaining Deficiency:		23,200
Grand Total:		1,440,462

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
742-674	ADAL Fitness Center	7,155	SM	19,000	Design - Build	
			Total	19,000		

9a. Future Projects: Included in the Following Program: (FY2010)

None

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

131-111	Consolidated Communications Facility	4,000	SM	12,000
218-868	Precision Measurement Equipment Lab	925	SM	4,000
730-773	Chapel Center	1,220	SM	6,200
			Total	22,200

9c. Real Property Maintenance Backlog This Installation: ($M) 110

10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an AFRC Associate C-5 airlift wing. Dover AFB will gain a C-17 squadron and lose one C-5 squadron in 2007.

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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOVER AIR FORCE BASE, DELAWARE	ADAL FITNESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	742-674	FJXT993002	19,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				15,074
FITNESS CENTER ADDITION	SM	6,255	2,156	(13,486)
FITNESS CENTER ALTERATION	SM	900	1,300	(1,170)
ANTITERRORISM FORCE PROTECTION	SM	7,155	20	(143)
SD & EP ACT 2005	SM	6,255	44	(275)
SUPPORTING FACILITIES				2,059
UTILITIES	LS			(450)
PAVEMENTS	LS			(500)
SITE IMPROVEMENTS	LS			(500)
DEMOLITION	SM	3,600	120	(432)
COMMUNICATIONS SUPPORT	LS			(177)
SUBTOTAL				17,133
CONTINGENCY (5.0%)				857
TOTAL CONTRACT COST				17,989
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,025
TOTAL REQUEST				19,015
TOTAL REQUEST (ROUNDED)				19,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,600)

10. Description of Proposed Construction: Multiple story facility with concrete footings, foundations and slab flooring, masonry walls, structural steel framing and sloped metal roof. Space includes a basketball court with running track, aerobic and exercise rooms, weight training rooms, fitness testing rooms, health and wellness classrooms, offices and support, male and female locker rooms, entrance lobby, admin support/storage and parking. Demolish the existing facility with the exception of the gymnasium which will be renovated and demolish the adjacent base pool, bath house, and filter house. Construct additional parking. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 200 Tons

11. Requirement: 7155 SM Adequate: 0 SM Substandard: 3857 SM

PROJECT: Construct Fitness Center. (Current Mission)

REQUIREMENT: A fitness center adequately sized and properly configured to accommodate comprehensive and balanced programs for recreational sports, athletic training, fitness testing, and physical fitness for the military community. Wellness programs are designed to promote the overall mental and physical well-being of assigned personnel and their families to include weight management programs, smoking cessation programs and physical fitness conditioning to enhance combat readiness.

CURRENT SITUATION: The existing fitness center is not large enough to accommodate all personnel interested in participating in organized and/or self-directed sports and fitness programs. New and expanded fitness programs to meet new requirements and current emphasis on physical fitness, health and wellness cannot be fully

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOVER AIR FORCE BASE, DELAWARE	ADAL FITNESS CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	742-674	FJXT993002	19,000

supported due to the limited space presently available. The wellness center, which is responsible for administering fitness testing to all military personnel, is currently located in the medical clinic with limited space and limited shower and locker facilities. Due to lack of space it cannot offer all the required programs. The lack of adequate court areas and practice and instructional class areas cause most programs to be restricted in numbers; some programs cannot be offered. The overall space limitation is discouraging and has a detrimental effect on active duty personnel, readiness, and the sports and fitness goals. There are currently 47 basketball and volleyball teams supported, with other teams denied participation; practice times are limited to half-court, one hour reservations. Storage space is inadequate. Program supplies, sports uniforms and equipment are housed at other locations or in sheds. The HVAC system throughout the existing facility does not function properly and is inadequate; the electrical system is maxed out and the interior architectural finishes are worn and outdated.

IMPACT IF NOT PROVIDED: Physical conditioning and recreational programs as well as fitness/wellness programs will continue to be limited due to space restrictions. This condition reduces mission readiness and also detracts from the Air Force's ability to attract and retain highly trained and qualified personnel. Existing facility systems will continue to deteriorate and require large O&M outlays to repair.

ADDITIONAL: This project meets the criteria/scope specified in the latest USAF Fitness Facilities Design Guide. An economic analysis has been prepared comparing the alternatives of new construction, addition/alteration, and status quo operations. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficent over the life of the project. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Lt Col Sherry Brown, (302) 677-6768. Fitness/Wellness Center: Addition: 6,255 SM = 67,330 SF; Alteration: 900 SM = 9,688 SF.

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE	4. PROJECT TITLE ADAL FITNESS CENTER	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	742-674	FJXT993002	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 950

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 MAR

(6) Construction Completion 11 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
EXERCISE EQUIPMENT	3080	2010	1,000
COMMUNICATIONS EQUIPMENT	3080	2010	100
FURNITURE/EQUIPMENT	3080	2010	500

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
EGLIN AIR FORCE BASE	AIR FORCE MATERIEL	COST INDEX
FLORIDA	COMMAND:	0.82

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	2964	11430	3790	40	1132	0	36	527	1,305	21,224
END FY 2012	3220	12887	3969	180	1800	0	121	1105	1305	24,587

7. INVENTORY DATA ($000)

Total Acreage:	463,067	
Inventory Total as of : (30 Sep 07)		4,337,627
Authorization Not Yet in Inventory:		23,700
Authorization Requested in this Program:		19,000
Authorization Included in the Following Program:	(FY 2010)	36,955
Planned in Next Three Years Program:		37,172
Remaining Deficiency:		160,100
Grand Total:		4,614,554

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
721-312	F-35 Student Dormitory (144 RM)	14,625	SM	$19,000	Design Build	
		Total		19,000		

9a. Future Projects: Included in the Following Program: (FY2010)

934-277	Land Mass Restoration, Santa Rosa Island		LS	36,955
		Total		36,955

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

610-127	Replace Base Engineer Facility 666	1,616	SM	4,440
740-884	Child Development Center	3,520	SM	11,000
730-142	Fire Station	3,410	SM	10,000
218-868	PMEL Laboratory	2,632	SM	11,732
		Total		37,172

9c. Real Propery Maintenance Backlog This Installation: ($M) 196

10. Mission or Major Functions: Eglin's primary function is to support research, development, test and evaluation (RDT&E) of conventional weapons and electronic systems. It also provides support for individual and joint training of operational units. Eglin AFB is home to the Air Armament Center (AAC), a unit of the Air Force Material Command. It supports approximately 25 associate units, including: 33rd Fighter Wing, Air Combat Command, 53rd Wing, Air Combat Command, U.S. Air Force Special Operations Command (Hurlburt Field) and 16th Special Operations Wing (SOW). 919th SOW, U.S. Air Force Reserve (Duke Field). 20th Space Surveillance, U.S. Air Force Space Command, 6th Ranger Training Battalion, U.S. Army (Ranger School), U.S. Navy (Naval Explosive Ordnance Disposal School and Choctaw Field), Alabama Army National Guard, Federal Bureau of Investigation and the Federal and Okaloosa County Prison Camp.

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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
EGLIN AIR FORCE BASE, FLORIDA	F-35 STUDENT DORMITORY (144 RM)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	721-312	FTFA083951	19,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				13,892
STUDENT DORMITORY	SM	7,020	1,903	(13,357)
ANTITERRORISM/FORCE PROTECTION	LS			(267)
SDD & EP ACT 2005	SM	7,020	38	(267)
SUPPORTING FACILITIES				3,118
UTILITIES	LS			(1,785)
PAVEMENTS	LS			(461)
SITE IMPROVEMENTS	LS			(634)
COMMUNICATIONS REQUIREMENTS	LS			(238)
SUBTOTAL				17,010
CONTINGENCY (5.0%)				850
TOTAL CONTRACT COST				17,860
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,018
TOTAL REQUEST				18,878
TOTAL REQUEST (ROUNDED)				19,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,391)

10. Description of Proposed Construction: Constructs a multi-story sprinkler equipped facility consisting of a concrete foundation, split-faced concrete block over a steel frame and sloped standing seam metal roof along. Includes HVAC, plumbing, parking, site improvements and all necessary utility connections. Comply with DoD force protection requirements per unified facilities criteria.

Air Conditioning: 200 Tons Grade Mix: E1-E4 288

11. Requirement: 59691 SM Adequate: 31602 SM Substandard: 16803 SM

PROJECT: F-35 Student Dormitory (144 Rm). (New Mission)

REQUIREMENT: A properly sized and configured dormitory is necessary to support the beddown of the maintenance training function for the F-35 program. The Air Force relies on highly trained, motivated unaccompanied enlisted members 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 quality of life 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. A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Facility will provide 144 room-bath modules (two students per room), training manager's area, laundries, storage, administrative support areas, and mechanical and communication space.

CURRENT SITUATION: Current Air Force dormitories on Eglin were constructed over 50 years ago and are in substandard condition. Without this dorm, the F-35 students

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 STUDENT DORMITORY (144 RM)	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FTFA083951	8. PROJECT COST ($000) 19,000

will not be adequately housed, negatively impacting the training they are to receive and the support they will be able to provide to this new weapon system.

IMPACT IF NOT PROVIDED: If not provided, adequate living quarters will not be available for beddown of the F-35. Airmen will continue to live in 50 year-old, substandard facilities. Substandard living conditions will have a negative impact on productivity, career satisfaction, and retention of unaccompanied enlisted personnel. Time and cost to recruit and train new airmen beyond the estimated attrition rate will negatively impact the mission.

ADDITIONAL: This project meets the scope/criteria specified in the Unaccompanied Housing Design Guide, January 2006. 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 satisfy F-35 mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Col Dennis D. Yates, DSN 872-2876. Dormitory 7020 SM = 75,735 SF.

JOINT USE CERTIFICATION: The facility is programmed for joint use with the Navy and Marines.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA	4. PROJECT TITLE F-35 STUDENT DORMITORY (144 RM)	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27142	721-312	FTFA083951	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 **950**

(4) Construction Contract Award **09 FEB**

(5) Construction Start **09 APR**

(6) Construction Completion **11 JAN**

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPR(	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3080	2009	199
FURNISHINGS	3400	2009	1,192

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE 9/30/2006
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE FLORIDA	4. COMMAND: AIR MOBILITY COMMAND	5. AREA CONST COST INDEX 0.96

6. Personnel	(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED			(4) TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 07	306	2,136	377	0	0	0	1,123	1,299	837	6,078
END FY 2012	257	1,969	346	0	0	0	1,511	1,673	1,144	6,900

7. INVENTORY DATA ($000)

a. Total Acreage:	5,767	
b. Inventory Total as of : (30 Sep 07)		2,260,301
c. Authorization Not Yet in Inventory:		123,800
d. Authorization Requested in this Program:		21,000
e. Authorization Included in the Following Program: (FY2010)		10,627
f. Planned in Next Three Years Program:		3,450
g. Remaining Deficiency:		250,800
h. Grand Total:		2,669,978

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
610-284	SOCCENT HQ & Commandant Facilities	6,115 SM	21,000	Apr-07	Sep-08
		Total	21,000		

9a. Future Projects: Included in the Following Program: (FY2010)

610-243	Consolidated Base Support Facility	2,787 SM	10,627
		Total	10,627

9b. Future Projects: Planned Next Three Years:

171-476	Combat Training Facility	929 SM	3,450
		Total	3,450

9c. Real Property Maintenance Backlog This Installation: ($M) 119

10. Mission or Major Functions: An Air Mobility Command wing with a KC-135 squadron and a command support airlift

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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MACDILL AIR FORCE BASE, FLORIDA	SOCCENT HEADQUARTERS & COMMANDANT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	610-284	NVZR923703	21,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				15,380
HEADQUARTERS BUILDING	SM	4,272	2,690	(11,492)
COMMANDANT BUILDING	SM	1,843	1,594	(2,939)
ANTITERRORISM FORCE PROTECTION	SM	6,115	107	(654)
SDD & EP ACT 2005	SM	6,115	48	(294)
SUPPORTING FACILITIES				3,190
COMMUNICATIONS SUPPORT	LS			(818)
UTILITIES	LS			(692)
SITE IMPROVEMENTS	LS			(451)
PAVEMENTS	LS			(1,229)
SUBTOTAL				18,570
CONTINGENCY (5.0%)				928
TOTAL CONTRACT COST				19,498
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,111
TOTAL REQUEST				20,609
TOTAL REQUEST (ROUNDED)				21,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(9,800.0)

10. Description of Proposed Construction: Concrete foundations and floor slabs, masonry walls, stucco exteriors, standing seam metal roof system, fire detection and suppression systems, HVAC, emergency power, associated site utilities, parking, grading, landscaping and other required support. Complies with DoD force protection requirements per the unified facilities criteria.

Air Conditioning: 220 Tons

11. Requirement: 6115 SM Adequate: 0 SM Substandard: 4271 SM

PROJECT: Constructs an operations and support facility for Special Operations Command Central (SOCCENT). (Current Mission)

REQUIREMENT: SOCCENT is a subordinate unified command of the United States Central Command (USCENTCOM), whose mission is to execute a full range of special operations and engage in low intensity conflict. In order to accomlish this mission, a secure facility is required to provide command and control capabilitites, accommodate and train increasing numbers of personnel, and store authorized equipment. SOCCENT's unique requirements include a Sensitive Compartmented Intelligence Facility (SCIF). Capability to deploy rapidly and efficiently is imperative due to the geographic distance and the number of crises that continue in the Middle East and Southwest Asia. No other facility that meets regulatory security requirements and has a readily available flight line access is available on base to house SOCCENT.

CURRENT SITUATION: SOCCENT operates from several substandard buildings and modular facilities. Their primary facilty was originally built as an alert bomber facility

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MACDILL AIR FORCE BASE, FLORIDA	SOCCENT HEADQUARTERS & COMMANDANT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	610-284	NVZR923703	21,000

in the Cold War era. This facility requires an inordinate amount of repair and maintenance to provide a safe and usable environment. Space is not available to accommodate present manning events, especially in the event of a call up. Storage space is grossly insufficient and, in some areas, unavailable. The SCIF does not meet minimal requirements and lacks the work space required for maximum security and efficiency. Operational capability is limited due to outdated technology, including electrical and cable access, and inadequate training and briefing areas required for personnel. A parachute rigger's area is not currently available at this site and the present shared location does not meet minimal standards.

IMPACT IF NOT PROVIDED: SOCCENT will not meet the requirement of providing satisfactory command and control of Joint Special Operations, will not be able to efficiently train or deploy its personnel, and will not be able to store or deploy authorized equipment in this still unstable environment. Without this operational complex, SOCCENT will not have the special operations capability desired and directed by Congress to support a complex mission.

ADDITIONAL: 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 and a certificate of exception prepared. This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements". Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Mr Robert Hughes, DSN 572-3577. (Headquarters Building: 4,272 SM = 45,983 SF; and Commandant Building: 1,843 SM = 19,838 SF)

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MACDILL AIR FORCE BASE, FLORIDA	SOCCENT HEADQUARTERS & COMMANDANT FACILITIES

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41896	610-284	NVZR923703	21,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	01-APR-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	35%
* (d) Date 35% Designed	28-SEP-07
(e) Date Design Complete	30-SEP-08
(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	1,260
(b) All Other Design Costs	630
(c) Total	1,890
(d) Contract	1,680
(e) In-house	210
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	11 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)
COMMUNICATIONS EQUIPMENT	3080	2010	7,500
FURNITURE & SECURITY SYSTEM	3080	2010	2,300

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
ROBINS AIR FORCE BASE GEORGIA	AIR FORCE MATERIEL COMMAND:	COST INDEX 0.83

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	1608	7058	14952		13		2	2	78	23,713
END FY 2012	1566	6978	14853		13		2	2	78	23,492

7. INVENTORY DATA ($000)

Total Acreage:	8,722	
Inventory Total as of : (30 Sep 07)		1,905,428
Authorization Not Yet in Inventory:		151,300
Authorization Requested in this Program:		24,100
Authorization Included in the Following Program:	(FY 2010)	0
Planned in Next Three Years Program:		20,800
Remaining Deficiency:		418,000
Grand Total:		2,519,628

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-116	Aircraft Hangar	9,000	SM	24,100	Design Build	
		Total		24,100		

9a. Future Projects: Included in the Following Program: (FY2010)

None

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

217-712	116 ACW Avionics Facility	1,858	SM	7,200
610-675	Consolidated Logistics Facility, Depot Operations	6,505	SM	13,600
		Total		20,800

9c. Real Propery Maintenance Backlog This Installation: ($M) 115

10. Mission or Major Functions: Warner Robins Air Logistics Center which is responsible for logistics management, support and depot-level maintenance of systems including F-15, C-130, C-5, C-141, and U-2 aircraft, helicopters, missiles and remotely piloted vehicles; an air base wing; an air control wing; HQ Air Force Reserve Command; an Air Mobility Command air refueling group with KC-135 aircraft; an ACC combat communications group; a special operations flight with EC-137D aircraft; an Air National Guard bomb wing with B-1B aircraft; and an Air Force recruiting group.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

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1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ROBINS AIR FORCE BASE, GEORGIA	AIRCRAFT HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	211-116	UHHZ023005	24,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				19,458
AIRCRAFT HANGAR	SM	9,000	2,100	(18,900)
ANTITERRORISM FORCE PROTECTION	SM	9,000	20	(180)
SDD & EP ACT 2005	SM	9,000	42	(378)
SUPPORTING FACILITIES				2,325
UTILITIES	LS			(750)
PAVEMENTS	LS			(1,200)
SITE IMPROVEMENTS	LS			(200)
COMMUNICATIONS	LS			(175)
SUBTOTAL				21,783
CONTINGENCY (5.0%)				1,089
TOTAL CONTRACT COST				22,872
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,304
TOTAL REQUEST				24,176
TOTAL REQUEST (ROUNDED)				24,100

10. Description of Proposed Construction: Single story multi-bay concrete foundation and floor slab, structural steel frame and masonry walls with metal roof system. Project includes HVAC, utilities, fire protection, and lightning protection system utilities, and necessary support. Install overhead bridge crane system. Comply with DoD Force Protection requirements as per the Unified Facilities Criteria.

Air Conditioning: 100 Tons

11. Requirement: 64660 SM Adequate: 46488 SM Substandard: 0 SM

PROJECT: Construct a Aircraft Hangar. (Current Mission)

REQUIREMENT: This project will provide dock space for C-17 or C-130 sized aircraft. Inside dock space is required for the safe and efficient maintenance practices which are conducted as part of both depot scheduled and unscheduled maintenance operations. In addition, some maintenance operations such as aircraft jacking must be accomplished in an environment isolated from the wind and sunlight.

CURRENT SITUATION: An adequate number of inside dock spaces do not currently exist at WR-ALC. Therefore, several aircraft undergo depot maintenance outdoors on aircraft ramps. For these aircraft, weather delays (rain, wind over 20 knots, lightning within 5 miles) increase aircraft flow days by an average of 12.1 days. Intense scheduling efforts must be employed to jockey aircraft around the ramp and through the maintenance docks to meet production schedules. Ineffectiveness and inefficiencies are experienced routinely.

IMPACT IF NOT PROVIDED: Without additional indoor dock spaces, aircraft will continue to experience weather related delays. Less than the optimal aircraft maintenance and repair times and bottlenecks will result in excessive depot flow days leading to increased costs and delay in returning the weapon systems back to the

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		4. PROJECT TITLE AIRCRAFT HANGAR	
5. PROGRAM ELEMENT 72896	6. CATEGORY CODE 211-116	7. PROJECT NUMBER UHHZ023005	8. PROJECT COST ($000) 24,100

owning command/war fighter.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." No other option could meet the mission requirements; therefore, no economic alalysis was needed or performed. A certificate of exception has been prepared. The requirements for this project was validated by the Joint-Service Depot Maintenance Military Construction Review Panel on 16 November 2005. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Col Edward Piekarczyk, (478) 926-3093, DSN 468-3093. Aircraft Hangar Phase 1: 9,000 SM = 97,000 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ROBINS AIR FORCE BASE, GEORGIA	AIRCRAFT HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	211-116	UHHZ023005	24,100

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 1,205

(4) Construction Contract Award 08 DEC

(5) Construction Start 09 FEB

(6) Construction Completion 10 SEP

(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 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
ANDREWS AIR FORCE BASE MARYLAND	AIR MOBILITY COMMAND	1.02

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	1946	7506	2711							12,163
END FY 2012	2019	7789	3071							12,879

7. INVENTORY DATA ($000)

Total Acreage:	4,996	
Inventory Total as of : (30 Sep 07)		3,636,548
Authorization Not Yet in Inventory:		31,337
Authorization Requested in this Program:		77,648
Authorization Included in the Following Program:	(FY 2010)	1,100
Planned in Next Three Years Program:		19,000
Remaining Deficiency:		143,000
Grand Total:		3,908,633

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
610-282	NCR Relocation - Administrative Facility	13,400	SM	49,648	Apr-07	Sep-08
610-282	Administrative Facility Addition	6,700	SM	28,000	Apr-07	Sep-08
			Total	77,648		

9a. Future Projects: Included in the Following Program: (FY2010)

640-142	Crystal City Move to Andrews	1	LS	1,100
			Total	1,100

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

442-758	Consolidated Command Post	5,054	SM	19,000
			Total	19,000

9c. Real Property Maintenance Backlog This Installation: ($M) 194

10. Mission or Major Functions: An airlift wing flying a variety of fixed wing and rotary aircraft responsible for Presidential support and support of other branches of the Armed Forces and Federal Agencies; Air National Guard Readiness Center; DC Air National Guard F-16 fighter wing; and an Air Force Reserve Command C-141 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND	4. PROJECT TITLE NCR RELOCATION - ADMINISTRATIVE FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
91212	610-282	AJXF103002	49,648

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				33,968
ADMINISTRATIVE FACILITY	SM	13,400	2,458	(32,937)
ANTITERRORISM/FORCE PROTECTION	SM	13,400	27	(362)
SDD & EP ACT 2005	SM	13,400	50	(669)
SUPPORTING FACILITIES				10,766
COMMUNICATIONS	LS			(1,775)
UTILITIES	LS			(1,934)
PARKING/PAVEMENTS	LS			(3,021)
ENVIRONMENTAL COSTS	LS			(900)
SITE IMPROVEMENTS/STORM WATER MANAGEMENT	LS			(1,974)
SPECIAL FOUNDATION	LS			(562)
ELEVATORS	LS			(600)
SUBTOTAL				44,734
CONTINGENCY (5.0%)				2,237
TOTAL CONTRACT COST				46,971
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				2,677
TOTAL REQUEST				49,648
TOTAL REQUEST (ROUNDED)				49,648
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(7,366.0)

10. Description of Proposed Construction: Construct a new 13,400 SM administrative facility. Project consists of multi-story reinforced concrete and structural steel building. Includes site work, HVAC, elevator, utilities, landscaping, concrete walk, parking, special drilled pier foundation, stormwater management, soil remediation, and any other work associated with this project. Includes Antiterrorism/Force Protection requirements per the DoD Unified Facilities Criteria.

Air Conditioning: 400 Tons

11. Requirement: 13400 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct an new administrative facility. (Current Mission)

REQUIREMENT: An adequately sized and configured administrative facility is required to support 800 non-BRAC personnel relocating to Andrews from leased space facilities in the National Capitol Region (NCR). This is required to comply with DODI 2000.16, "Antiterrorism Standards" and UFC 4-010-01 "DoD Minimum Antiterrorism Minimum Standards", which states "DoD personnel occupying leased buildings deserve the same level of protection as those in DoD-owned buildings. Implementation of these standards is mandatory for all facilities leased for DoD use ... this requirement is applicable for all new leases executed on/after 1 Oct 05 and to renewal or extension of any existing leases on/after 1 Oct 09."

CURRENT SITUATION: BRAC identified 804 personnel to be relocated from leased

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		4. PROJECT TITLE NCR RELOCATION - ADMINISTRATIVE FACILITY	
5. PROGRAM ELEMENT 91212	6. CATEGORY CODE 610-282	7. PROJECT NUMBER AJXF103002	8. PROJECT COST ($000) 49,648

facilities in the NCR; however, there are many more personnel that BRAC did not count who must be relocated from leased space per Antiterrorism/Force Protection requirements (UFC 4-010-01). This project will construct a facility to house 800 of these personnel.

IMPACT IF NOT PROVIDED: There are no existing facilities available on Andrews AFB to accomodate the incoming non-BRAC personnel. Existing leased space does not meet AT/FP requirements (UFC 4-010-01). If this facility is not constructed, these personnel will continue to work in the existing leased facilities, impacting the safety of these personnel.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements. A preliminary analysis of reasonable options for this requirement indicates that only new construction will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. There are two other projects that will be built at Andrews in FY09, a BRAC-funded project to house 804 personnel identified by the BRAC commission (AJXF103003), and a conjunctively funded non-BRAC MILCON project that will house 400 personnel being relocated from leased space from within the NCR (AJXF103004). Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col Brian P. Duffy, DSN 857-7281. (Administrative facility: 13,400 SM = 144,184 SF).

BASE CIVIL ENGINEER: Duffy

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 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDREWS AIR FORCE BASE, MARYLAND	NCR RELOCATION - ADMINISTRATIVE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
91212	610-282	AJXF103002	49,648

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	31-JUL-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	35%
* (d) Date 35% Designed	28-SEP-07
(e) Date Design Complete	17-SEP-08
(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	3,000
(b) All Other Design Costs	1,500
(c) Total	4,500
(d) Contract	3,750
(e) In-house	750
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	11 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	2009	2,000
SYSTEMS FURNITURE	3400	2009	5,291
CID (INTERIOR DESIGN)	3400	2009	75

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDREWS AIR FORCE BASE, MARYLAND	ADMINISTRATIVE FACILITY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
91212	610-282	AJXF103004	28,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
ADMINISTRATIVE FACILITY				16,984
ADMINISTRATIVE FACILITY ADDITION	SM	6,700	2,458	(16,469)
ANTITERRORISM/FORCE PROTECTION	SM	6,700	27	(181)
SDD & EP ACT 2005	SM	6,700	50	(335)
SUPPORTING FACILITIES				8,215
COMMUNICATIONS	LS			(990)
UTILITIES	LS			(1,900)
PARKING/PAVEMENTS	LS			(1,900)
ENVIRONMENTAL REMEDIATION	LS			(650)
SITE IMPROVEMENTS/STORM WATER MANAGEMENT	LS			(2,100)
SPECIAL FOUNDATION	LS			(375)
ELEVATOR	LS			(300)
SUBTOTAL				25,199
CONTINGENCY (5.0%)				1,260
TOTAL CONTRACT COST				26,459
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,508
TOTAL REQUEST				27,967
TOTAL REQUEST (ROUNDED)				28,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2,753.0)

10. Description of Proposed Construction: Construct a new 6,700 SM administrative facility addition. Project consists of multi-story reinforced concrete and structural steel building. Includes site work, HVAC, elevator, utilities, landscaping, concrete walk, parking, special drilled pier foundation, stormwater management, soil remediation, and any other work associated with this project. Includes Antiterrorism/Force Protection requirements per the DoD Unified Facilities Criteria.

Air Conditioning: 250 Tons

11. Requirement: 6700 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Administrative facility addition. (Current Mission)

REQUIREMENT: An adequately sized and configured administrative facility is required to support 400 non-BRAC personnel relocating to Andrews from leased space facilities in the National Capitol Region (NCR). This is required to comply with DODI 2000.16, "Antiterrorism Standards" and UFC 4-010-01 "DoD Minimum Antiterrorism Minimum Standards", which states "DoD personnel occupying leased buildings deserve the same level of protection as those in DoD-owned buildings. Implementation of these standards is mandatory for all facilities leased for DoD use ... this requirement is applicable for all new leases executed on/after 1 Oct 05 and to renewal or extension of any existing leases on/after 1 Oct 09."

CURRENT SITUATION: BRAC identified 804 personnel to be relocated from leased

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		4. PROJECT TITLE ADMINISTRATIVE FACILITY ADDITION	
5. PROGRAM ELEMENT 91212	6. CATEGORY CODE 610-282	7. PROJECT NUMBER AJXF103004	8. PROJECT COST ($000) 28,000

faclities in the NCR; however, there are many more personnel that BRAC did not count who must be relocated from leased space per Antiterrorism/Force Protection (AT/FP) requirements (UFC 4-010-01). Existing leased space does not meet the AT/FP requirements. This project will construct a facility addition to house 400 of these personnel that will be conjunctively constructed with the 804 person BRAC administrative facility.

IMPACT IF NOT PROVIDED: There are no existing facilities available on Andrews AFB to accommodate the incoming non-BRAC personnel. Existing leased space does not meet AT/FP requirements (UFC 4-010-01). If this facility is not constructed, these personnel will continue to stay in the existing leased facilities impacting the safety of these personnel.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements. A preliminary analysis of reasonable options for this requirement indicates that only new construction will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception was prepared. This project is conjunctively funded with BRAC FY09 project AJXF103003. Additonally, the Air Force will be constructing another non-BRAC MILCON project in FY09 to house other personnel personnel being relocated from leased space in the NCR, AJXF103002. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col Brian P. Duffy, DSN 857-7281. (Administrative Facility: 6,700 SM = 72,092 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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDREWS AIR FORCE BASE, MARYLAND	ADMINISTRATIVE FACILITY ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
91212	610-282	AJXF103004	28,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	31-JUL-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	35%
* (d) Date 35% Designed	28-SEP-07
(e) Date Design Complete	17-SEP-08
(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	1,680
(b) All Other Design Costs	840
(c) Total	2,520
(d) Contract	2,100
(e) In-house	420
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 APR
(6) Construction Completion	11 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)
FURNISHINGS	3080	2009	2,403
COMMUNICATIONS EQUIPMENT	3080	2009	350

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

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

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	361	505	662	411	0	0	0	0	1,045	2,984
END FY 2012	360	500	650	500	0	0	0	0	1050	3,060

7. INVENTORY DATA ($000)		
a. Total Acreage:	6,013	
b. Inventory Total as of : (30 Sep 07)		685,004
c. Authorization Not Yet in Inventory:		9,688
d. Authorization Requested in this Program:		8,100
e. Authorization Included in the Following Program: (FY 2010)		9,800
f. Planned in Next Three Years Program:		0
g. Remaining Deficiency:		17,700
h. Grand Total:		730,292

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
737-884	Child Development Center	2,267 SM	8,100	Mar 07	Sep 08
		Total	8,100		

9a. Future Projects: Included in the Following Program: (FY2010)

610-243	Aircraft Fuel Systems Maint Dock	1,444 SM	9,800
		Total	9,800

9b. Future Projects: Typical Planned Next Three Years:
None

9c. Real Property Maintenance Backlog This Installation: ($M) 53

10. Mission or Major Functions: 14th Flying Training Wing's mission is Specialized Undergraduate Pilot Training (SUPT) in T-37, T-38, T-1A, and AT-38 trainers. One-third of all AF pilots are trained at CAFB. International officers are trained in the Aviation Leadership Program.

11. Outstanding pollution and Safety (OSHA) Deficiencies:

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

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
COLUMBUS AIR FORCE BASE, MISSISSIPPI	CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	737-884	EEPZ053002	8,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				5,359
CHILD DEVELOPMENT CENTER	SM	2,267	2,271	(5,148)
ANTITERRORISM FORCE PROTECTION	SM	2,267	47	(106)
SDD & EP ACT 2005	SM	2,267	47	(106)
SUPPORTING FACILITIES				1,952
UTILITIES	LS			(431)
SITE IMPROVEMENTS	LS			(512)
PAVEMENTS	LS			(460)
DEMOLITION/ENVIRONMENTAL	SM	637	184	(117)
COMMUNICATIONS SUPPORT	LS			(200)
PLAYGROUND EQUIPMENT	LS			(232)
SUBTOTAL				7,311
CONTINGENCY (5.0%)				366
TOTAL CONTRACT COST				7,677
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				438
TOTAL REQUEST				8,114
TOTAL REQUEST (ROUNDED)				8,100

10. Description of Proposed Construction: One-story steel frame structure with reinforced concrete foundation and floor slab, brick veneer covering insulated exterior CMU walls, interior walls insulated metal stud wall system and standing seam metal roof. Project demolishes Building 878 at 637 SM and disposes of leased temporary building at 772 SM. Comply with DoD anti-terrorism/force protection requirements per unified facilities criteria.

Air Conditioning: 100 Tons

11. Requirement: 2267 SM Adequate: 0 SM Substandard: 637 SM

PROJECT: Child Development Center. (Current Mission).

REQUIREMENT: Facility designed to accommodate working mothers or other family circumstances that require assistance in caring for children. The facility will provide care for children from the ages of six weeks through five years of age for full-day, part-day, and hourly service. Functional space areas include multipurpose rooms for children of different age groups, administrative areas, lobby, nursery, kitchen, storage including lending library, and building support area. Child Development Center needs space for 128 children.

CURRENT SITUATION: The existing child development center (CDC) can accommodate only 62 children, roughly half of the requirement for 128 children under 5 years of age. The inadequate size of the base CDC creates hardships for authorized personnel, especially parents who are unable to obtain affordable care. The situation is particularly critical due to the current mission at Columbus. This mission requires

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
COLUMBUS AIR FORCE BASE, MISSISSIPPI	CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	737-884	EEPZ053002	8,100

student pilots at times to be at work 7 days a week throughout the year creating a real need for the spouse to have available child care on base. HQ AETC has authorized the lease of a 772 SM trailer to increase classroom space temporarily, but this is only a short-term solution until an adequate facility can be built. Additionally, the facility's sheetrock walls and ceilings contain asbestos , which poses an immediate health threat to the children whenever damage occurs. Project will demolish Building 878 at 637 SM and dispose of leased trailer at 772 SM.

IMPACT IF NOT PROVIDED: Adequate child development programs will continue to be insufficient for eligible patrons at Columbus AFB. Children and parents will continue to be denied service due to lack of adequate space to support these programs. Personnel will be required to continue using off-base programs that vary in affordability and quality and in some cases placing children in unlicensed babysitting situations. Base will continue to lease a trailer at a cost of $12,000 per year in an attempt to mitigate these negative effects.

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. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col Robert German, (662) 434-7327. Construct Child Development Center, 2,267 SM = 24,403 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
COLUMBUS AIR FORCE BASE, MISSISSIPPI	CHILD DEVELOPMENT CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	737-884	EEPZ053002	8,100

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	01-MAR-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	35%
* (d) Date 35% Designed	15-SEP-07
(e) Date Design Complete	17-SEP-08
(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	486
(b) All Other Design Costs	243
(c) Total	729
(d) Contract	608
(e) In-house	122

(4) Construction Contract Award	09 FEB
(5) Construction Start	09 APR
(6) Construction Completion	10 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:
N/A

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION CREECH AIR FORCE BASE, NEVADA	4. COMMAND: AIR COMBAT COMMAND	5. AREA CONST COST INDEX 1.3

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	1053	6415	2709	75	135	2	0	1	263	10,653
END FY 2012	1103	6322	2696	75	135	2	0	1	263	10,597

7. INVENTORY DATA ($000)

a. Total Acreage: 13,921	
b. Inventory Total as of : (30 Sep 07)	2,109,983
c. Authorization Not Yet in Inventory:	115,800
d. Authorization Requested in this Program:	48,500
e. Authorization Included in the Following Program: (FY 2010)	0
f. Planned in Next Three Years Program:	0
g. Remaining Deficiency:	185,100
h. Grand Total:	2,459,383

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
141-454	UAS Operations Facility	3,718 SM	16,200	Design Build	
171-212	UAS Flight Simulator and Academics Fac	1,672 SM	9,800	Oct-06	Sep-08
610-249	UAS 432 Wing HQ Mission Supt Fac	1,858 SM	7,000	Design Build	
722-351	UAS Dining Hall	1,672 SM	9,000	Design Build	
730-839	UAS Main Gate/Sewer Trans Stn/Infrstre	75 SM	6,500	Design Build	
		TOTAL	48,500		

9a. Future Projects: Included in the Following Program: (FY2010)
None

9b. Future Projects: Typical Planned Next Three Years:
None

9c. Real Property Maintenance Backlog This Installation: ($M) 105

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

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, 9 Jul 02

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CREECH AIR FORCE BASE, NEVADA	4. PROJECT TITLE UAS OPERATIONS FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	141-454	LKTC093101	16,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				11,862
UAS OPERATIONS FACILITY	SM	3,065	2,698	(8,269)
UAS OPERATIONS SCIF ADDITION	SM	653	3,793	(2,477)
UAS OPERATIONS ALTERATION	SM	232	2,853	(662)
SDD & EP ACT 2005	LS			(342)
ANTI-TERRORISM/FORCE PROTECTION	SM	3,718	30	(112)
SUPPORTING FACILITIES				2,754
UTILITIES	LS			(1,084)
SITE IMPROVEMENTS	LS			(420)
PAVEMENTS	LS			(900)
COMMUNICATIONS SUPPORT	LS			(350)
SUBTOTAL				14,616
CONTINGENCY (5.0%)				731
TOTAL CONTRACT COST				15,346
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				875
TOTAL REQUEST				16,221
TOTAL REQUEST (ROUNDED)				16,200

10. Description of Proposed Construction: Simple pre-engineered building (PEB) with no angles, rectangular in form with reinforced concrete foundation and floor slab, structural steel frame, metal exterior, standing seam metal roof, fire detection/protection, special security enhancements, utilities, site improvements, landscaping, roads/parking, fire protection system, communications support, electrical infrastructure upgrade, back-up generator and switchgear, and all other necessary support. The SCIF addition/alterations are to the Fixed Ground Control Station Facility. Alteration work includes floor reconfigurations and building infrastructure upgrades to accept new building addition. Force protection includes reinforced exterior walls and laminated windows. This project will comply with DoD antiterrorism/force protection requirements per Unified Facility Criteria.

Air Conditioning: 40 Tons

11. Requirement: 3718 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct Unmanned Aerial System (UAS) Operations Facility. (New Mission)

REQUIREMENT: A permanent UAS Operations facility, adequately sized and configured with appropriate security and redundant utility systems, is required to support the beddown of the 15 Reconnaissance Squadrons (44 Primary Mission Aircraft Inventory MQ1 Predators and 400 operational personnel) and the 42 Attack Squadron (32 Primary Mission Aircraft Inventory MQ9 Reapers and 217 operational personnel) at Creech AFB. Total projected manning for UAS operations and maintenance functions at Creech AFB is over 1,400 personnel. This operational facility directly supports the warfighter in the Area of Responsiblility (AOR) by allowing remote UAS operations from home

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CREECH AIR FORCE BASE, NEVADA		4. PROJECT TITLE UAS OPERATIONS FACILITY	
5. PROGRAM ELEMENT 25219	6. CATEGORY CODE 141-454	7. PROJECT NUMBER LKTC093101	8. PROJECT COST ($000) 16,200

station. This project provides the critical mission planning space and will be attached to the fixed Ground Control Station facilities that are actually used to operate the UAS Hunter/Killer weapon system in the AOR from home station. The operations facility supports mission planning, flight operations, mission briefs/de-briefs and unit training devices. This facility must have redundant communications, power, and utility systems to ensure sustained around the clock operations.

CURRENT SITUATION: Creech AFB does not have excess operational facilities to support this mission beddown which will critically impact UAS operational capabilities. The existing squadron operations facility space is being re-utilized to support operation, maintenance, and other functions supporting direct flying and maintenance operations at Creech AFB. Current functions are operating out of interim facilities until a permanent solution can be accomplished. In addition, while UAS operations continue to grow for the CAF, they are also supporting other Air Force organizations, both in maintenance and flying the MQ1(Predator)/MQ9 (Reaper) aircraft.

IMPACT IF NOT PROVIDED: Failure to provide the facility in a timely manner to support downward directed force structure actions will critically impact the bases ability to adequately perform critical mission requirements. An adequate facility will not be available to perform critical AOR operations from home station via reach back capabilities thus impacting overall combat capabilities and reducing the number of UAS orbits required to support the Global War On Terrorism. The Air Forces capability to train personnel for this critical mission would be severely impacted and would degrade the ability to support the warfighter in the global war on terror. In addition, combatant commanders situational awareness will also be degraded by not having the persistent 24/7 presence of the Predator and Reaper aircraft.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". An analysis of reasonable options for accomplishing this project (status quo, renovations, new construction) was completed. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Civil Engineer: LtCol Patrick F. Fogarty: (702) 652-4833; (UAS Operations Addition: 3,065 SM = 32,979 SF: UAS Operations SCIF Addition: 653 SM = 7,026 SF: UAS Operations Alteration: 232 SM = 2,496 SF)

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CREECH AIR FORCE BASE, NEVADA	UAS OPERATIONS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	141-454	LKTC093101	16,200

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 810

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 MAR

(6) Construction Completion 11 JAN

(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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CREECH AIR FORCE BASE, NEVADA	UAS FLIGHT SIMULATOR AND ACADEMICS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	171-212	LKTC093106	9,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				7,615
FLIGHT SIMULATOR AND ACADEMICS FACILITY	SM	1,672	3,350	(5,601)
SPECIAL SECURITY REQUIREMENTS	SM	1,672	1,030	(1,722)
SDD & EP ACT 2005	LS			(220)
ANTITERRORISM/FORCE PROTECTION	SM	1,672	43	(72)
SUPPORTING FACILITIES				1,210
UTILITIES	LS			(307)
PAVEMENTS	LS			(311)
SITE IMPROVEMENTS	LS			(312)
COMMUNICATIONS SUPPORT	LS			(280)
SUBTOTAL				8,825
CONTINGENCY (5.0%)				441
TOTAL CONTRACT COST				9,267
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				528
TOTAL REQUEST				9,795
TOTAL REQUEST (ROUNDED)				9,800

10. Description of Proposed Construction: Simple pre-engineered building (PEB) with no angles, rectangular in form with reinforced foundation and floor slab, structural steel frames, metal exterior walls, standing seam metal roof, fire detection/protection, special security enhancements, specialized heating and air conditioning with temperature and humidity limitations, site improvements, utilities, landscaping, roads/parking, communications support and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

Air Conditioning: 30 Tons

11. Requirement: 1672 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct Unmanned Aerial Systems (UAS) Flight Simulator and Academics Facility. (New Mission)

REQUIREMENT: A permanent Flight Simulator and Academics facility, adequately sized and configured, is required to support the MQ-1(Predator) and MQ-9 (Reaper) Hunter/Killer Flight Simulator training devices, instructors, student pilots and sensor operators. This facility is a critical function or core process for the training of the Combat Air Forces UAS pilots and sensor operators who are supporting the high operations tempo of the Global War On Terror. Simulator training will be accomplished in network simulated airspace linked between various units, weapons systems and mission scenarios, as part of the 24/7 persistent presence the UAS provides. Full-up MQ-9 training will begin in FY10/3 and will support Active Duty, Guard, Reserve and Foreign Military Service personnel. The MQ-1 training will migrate out of the current MQ-1/MQ-9 Formal Training Unit (FTU) squadron (11RS) as

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CREECH AIR FORCE BASE, NEVADA	UAS FLIGHT SIMULATOR AND ACADEMICS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	171-212	LKTC093106	9,800

that primary function increases to support the initial training of new UAS pilots and sensor operators. The six MQ-1 simulators have been delivered and are temporarily housed in the existing FTU facilities. The four MQ-9 simulators are scheduled for delivery in FY09 (two) and FY11 (two).

CURRENT SITUATION: Creech AFB does not have adequate facilities that can be converted or used to support Flight Simulator Training and Academic requirements. MQ-1 and MQ-9 simulator devices will be temporarily housed in existing FTU facilities. FTU mission is projected to have a steady increase and will be at capacity when MQ-9 training requirements hit full stride in the FY10/11 timeframe.

IMPACT IF NOT PROVIDED: Creech AFB will not be able to support the increased training requirements for the assigned MQ-1/MQ-9 UAS pilots and sensor operators. In addition, the FTU will not be able to expand to meet projected MQ-1/MQ-9 Active Duty/Guard/Reserve and foreign military training requirements. Significant degradation in operators' capabilities will result, degrading combat effectiveness in the AOR.

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, renovations, new construction) was completed. Analysis indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13243 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col Patrick F. Fogarty, (702) 652-4833; (UAS Flight Simulator & Academics Facility: 1,672 SM = 17,991 SF)

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CREECH AIR FORCE BASE, NEVADA	UAS FLIGHT SIMULATOR AND ACADEMICS FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	171-212	LKTC093106	9,800

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	15-OCT-06
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	15%
* (d) Date 35% Designed	30-SEP-07
(e) Date Design Complete	20-SEP-08
(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	588
(b) All Other Design Costs	294
(c) Total	882
(d) Contract	784
(e) In-house	98
(4) Construction Contract Award	**09 FEB**
(5) Construction Start	**09 APR**
(6) Construction Completion	**10 JUL**

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

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CREECH AIR FORCE BASE, NEVADA	UAS 432 WING HEADQUARTERS MISSION SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	610-249	LKTC093107	7,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				4,786
WING HEADQUARTERS MISSION SUPPORT	SM	1,858	2,232	(4,147)
SECURITY REQUIREMENTS	SM	200	2,280	(456)
SDD & EP ACT 2005	LS			(138)
ANTITERRORISM/FORCE PROTECTION	SM	1,858	24	(45)
SUPPORTING FACILITIES				1,524
UTILITIES	LS			(475)
SITE IMPROVEMENTS	LS			(360)
PAVEMENTS	LS			(449)
COMMUNICATIONS SUPPORT	LS			(240)
SUBTOTAL				6,310
CONTINGENCY (5.0%)				315
TOTAL CONTRACT COST				6,625
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				378
TOTAL REQUEST				7,003
TOTAL REQUEST (ROUNDED)				7,000

10. Description of Proposed Construction: Simple pre-engineered building (PEB) with no angles, rectangular in form with reinforced foundation and floor slab, structural steel frame, metal exterior walls, standing seam metal roof, fire detection/ protection system to include storage tank, special security enhancements, utilities, site improvements, landscaping, roads/parking, communications support, electrical infrastructure upgrade and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

Air Conditioning: 100 Tons

11. Requirement: 1858 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct Unmanned Aerial System (UAS) 432 Wing Headquarters Mission Support Facility. (New Mission)

REQUIREMENT: Adequately sized and properly configured administrative facility needed to support wing headquarters and mission support requirements of the 432 Wing at Creech AFB, NV. The 432 Wing was established at Creech AFB, NV on 01 May 2007 to provide base operational support for the UAS mission and their 24/7 combat operations in the AOR. The creation of the 432 Wing was necessitated by the need to provide a greater combat support focus than could be provided by either the 99 Air Base Wing or the 98 Range Wing, whose primary focus is to provide base operational wing support for the test and training missions at Nellis AFB and the Nellis Range. A HQ ACC-led Site Action Task Force (SATAF IV) conducted at Creech AFB from 30 Jan 07 to 2 Feb 07 validated this requirement.

CURRENT SITUATION: Due to the accelerated growth rate of UAS combat and training

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CREECH AIR FORCE BASE, NEVADA		4. PROJECT TITLE UAS 432 WING HEADQUARTERS MISSION SUPPORT FACILITY	
5. PROGRAM ELEMENT 25219	6. CATEGORY CODE 610-249	7. PROJECT NUMBER LKTC093107	8. PROJECT COST ($000) 7,000

operations at Creech AFB, there is no existing space at Creech AFB to support the 432 WG headquarters and mission support requirements. Current 432 WG functions are operating out of interim facilities at Creech AFB until a permanent solution can be accomplished, but these facilities are severely undersized with an inadequate functional layout to provide long-term support for the UAS combat and training missions there.

IMPACT IF NOT PROVIDED: Without an adequate headquarters and mission support facility, the 432 WG will be severely degraded in its ability to perform its support function for the UAS combat flying and training missions at Creech AFB. Ultimately, this will have a negative impact on overall UAS combat capabilities and could reduce the number of UAS orbits required to support the Global War On Terrorism. In addition, our combatant commanders' situational awareness will also be degraded by not having the persistent 24/7 presence of the UAS Predator and Reaper aircraft in the AOR.

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, renovations, new construction) was completed. Analysis indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Civil Engineer: Lt Col Patrick F. Fogarty: (702) 652-4833; (Wing Headquarters and Mission Support Facility: 1,858 SM = 19,992 SF)

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CREECH AIR FORCE BASE, NEVADA	UAS 432 WING HEADQUARTERS MISSION SUPPORT FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	610-249	LKTC093107	7,000

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 350

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 APR

(6) Construction Completion 10 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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CREECH AIR FORCE BASE, NEVADA	UAS DINING HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	722-351	LKTC093103	9,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				6,506
DINING HALL	SM	1,672	3,742	(6,257)
SDD & EP ACT 2005	LS			(188)
ANTITERRORISM/FORCE PROTECTION	SM	1,672	37	(62)
SUPPORTING FACILITIES				1,592
UTILITIES	LS			(682)
SITE IMPROVEMENTS	LS			(300)
PAVEMENTS	LS			(450)
COMMUNICATIONS SUPPORT	LS			(160)
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

10. Description of Proposed Construction: Simple pre-engineered building (PEB) with no angles, rectangular in form with reinforced foundation and floor slab, structural steel frames, metal exterior walls, standing seam metal roof, utilities, communication support, fire detection/protection, parking, site improvements, landscaping, and all other necessary support. Areas include: dining area, kitchen, serving area, dishwashing area, storage, office, latrines and food products receiving/storage/issue area. This project will comply with DoD antiterrorism/force protection requirements per Unified Facility Criteria.

Air Conditioning: 25 Tons

11. Requirement: 2192 SM Adequate: 520 SM Substandard: 0 SM

PROJECT: Construct Unmanned Aerial Systems (UAS) Dining Hall. (New Mission)

REQUIREMENT: Creech AFB has seen significant increase in operational missions and personnel since 1994 where the base daytime population averaged approximately 300 personnel. Creech UAS Predator initial beddown consisted of 10 RQ-1 and 120 personnel in the FY94/95 timeframe. Current and projected permanent/student manpower loading for Creech AFB is estimated between 2,000 and 3,000 personnel to support over 100 plus MQ-1 (Predator)/MQ-9(Reaper) aircraft, Flying Training Unit (FTU) operations, Security Forces training, guard and reserve and visiting units. An adequately sized and configured dining facility is required to properly feed assigned and transient military and civilian personnel at Creech AFB. There must be adequate space for food preparation and dishwashing equipment, dining and food storage equipment.

CURRENT SITUATION: Creech AFB does not have an adequate dining facility to support the rapidly expanding Predator mission requirements. The seating capacity of the

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CREECH AIR FORCE BASE, NEVADA		4. PROJECT TITLE UAS DINING HALL	
5. PROGRAM ELEMENT 25219	6. CATEGORY CODE 722-351	7. PROJECT NUMBER LKTC093103	8. PROJECT COST ($000) 9,000

existing dining hall accommodates only 117 personnel when operating at full capacity; far from the projected 2,000 to 3,000 personnel to support the mission. The existing facility will serve better as a flightline kitchen once the new dining hall is constructed. Also, Nellis AFB is located over 55 miles from Creech AFB, which prevents personnel from traveling such a distance to obtain their meals.

IMPACT IF NOT PROVIDED: Failure to provide an adequate dining facility in a timely manner to support downward directed force structure actions will critically impact the bases ability to perform critical mission requirements by preventing the adequate care and feeding of base personnel. An adequate dining hall will not be available to support Predator aircraft and sensor operators training, thus impacting overall combat capabilities and reducing the number of UAS orbits required to support the Global War on Terrorism. The Air Force's capability to train personnel for this critical mission would be severely impacted and would degrade our ability to support the warfighter in the global war on terror. The population served would be subjected to Meals Ready to Eat (MREs) and/or meals prepared in Military Kitchen Trailers.

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, renovations, new construction) was done. It indicates that there is only one option that will meet operational requirements. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: LtCol Patrick F. Fogarty: (702) 652-4833; (UAS Dining Hall: 1,672 SM = 17,990 SF)

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CREECH AIR FORCE BASE, NEVADA	UAS DINING HALL

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	722-351	LKTC093103	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 09 FEB

(5) Construction Start 09 MAR

(6) Construction Completion 10 JUN

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

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CREECH AIR FORCE BASE, NEVADA	UAS MAIN GATE/SEWER TRANSFER STATION/INFRASTRUCTURE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	730-839	LKTC093108	6,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				1,834
GATE HOUSE	SM	75	6,625	(497)
SANITARY SEWER LIFT STATION	EA	2	160,000	(320)
WATER STORAGE TANK	KG	2,500	379	(948)
SDD & EP ACT 2005	LS			(53)
ANTITERRORISM/FORCE PROTECTION	LS			(17)
SUPPORTING FACILITIES				4,015
UTILITIES	LS			(1,375)
PAVEMENTS	LS			(1,242)
SITE IMPROVEMENTS	LS			(440)
COMMUNICATIONS SUPPORT	LS			(150)
DEMOLITION	EA	1	300,000	(300)
PASSIVE ATFP BARRIERS	LS			(508)
SUBTOTAL				5,849
CONTINGENCY (5.0%)				292
TOTAL CONTRACT COST				6,142
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				350
TOTAL REQUEST				6,492
TOTAL REQUEST (ROUNDED)				6,500

10. Description of Proposed Construction: Main Gate with reinforced concrete foundation and floor slab, masonry walls, metal frame, standing seam metal roof, utilities, communication support, pavements, and all other necessary support. Construct two sanitary sewer lift stations with associated pumps and support equipment, sewer effluent piping, electrical utilities, stand-by generator, lighting, site improvements, passive AT/FP barriers and demolition of the existing base wastewater treatment plant. Construct a water storage tank with associated concrete ring wall, water pump systems and support utilities. This project will comply with DoD antiterroism/force protection requirements per Unified Facilities Criteria.

11. Requirement: LS Adequate: LS Substandard: LS

PROJECT: Construct Unmanned Aircraft Systems (UAS) Main Gate, Sewer Transfer Station and Infrastructure. (New Mission)

REQUIREMENT: The Creech UAV Predator initial beddown consisted of 10 RQ-1 and 120 personnel in the FY94/95 timeframe. Current and projected permanent/student manpower loading for Creech AFB is estimated to be between 2,000 and 3,000 personnel supporting over 100-plus MQ-1/MQ-9 aircraft, FTU operations, Security Forces training, Guard and Reserve and visiting units. An adequate and properly sited Base Main Gate entrance that meets all current Air Force antiterrorism/force protection standards is required to ensure the security and safety of Air Force property and

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CREECH AIR FORCE BASE, NEVADA		4. PROJECT TITLE UAS MAIN GATE/SEWER TRANSFER STATION/INFRASTRUCTURE	
5. PROGRAM ELEMENT 25219	6. CATEGORY CODE 730-839	7. PROJECT NUMBER LKTC093108	8. PROJECT COST ($000) 6,500

military personnel at Creech AFB. In accordance with current legislation and in concert with Clark County, NV, Clark County is constructing a new Waste Water Treatment Plant in FY09 to support the current and projected growth for the City of Indian Springs as well as Creech AFB. This project provides the sewer effluent piping and lift stations to connect Creech AFB to the Clark County Common Lift Station. Adequate and properly located water storage capacity is required to ensure proper fire fighting capability for the Creech AFB Fire Department.

CURRENT SITUATION: The existing Base Main Gate entrance at Creech AFB does not meet Air Force antiterrorism/force protection standards and cannot, because of its location, be upgraded to meet those standards. Furthermore, with all the major UAS new mission development at the northeast section of the base, the existing Base Main Gate entrance is not properly located to support future UAS new mission development of Creech AFB. The existing Waste Water Treatment Plant has a capacity of only 90,000 gallons per day with a projected requirement of over 250,000 gallons per day in the FY11 timeframe. The current treatment plant is old, in poor shape and does not meet current environmental standards. Air Combat Command has invested $3-5M in O&M repairs to the existing plant to insure that it runs at capacity and maximum efficiency as an interim work-around until Clark County has their new Waste Water Treatment Plant up and operating by FY10. The UAS new mission development over the past decade at Creech AFB has resulted in a shortage of water storage capacity to support the fire fighting requirements of the base.

IMPACT IF NOT PROVIDED: Failure to provide adequate gate security, sanitary sewer transfer and water storage facilities in a timely manner to support downward directed force structure actions will critically impact the base's ability to perform essential mission requirements. Creech AFB will be unable to tie into the Clark County Waste Water Treatment Plant when it comes on-line in FY10. Thus, UAS training and combat missions cannot go operational. This will severely impact overall combat capabilities and reduce the number of UAS orbits required to support wartime efforts in Southwest Asia. Inadequate security at the Base Main Gate entrance and insufficient water storage capacity will jeopardize safety of personnel assigned to Creech AFB.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An analysis of reasonable options for accomplishing this project (status quo, renovations, new construction) was completed. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Civil Engineer: Lt Col Patrick F. Fogarty: (702) 652-4833; (Gate House/Visitor Center: 75 SM = 800 SF; Sanitary Sewer Lift Stations: 2 EA; Water Storage Tank: 2500 KG)

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CREECH AIR FORCE BASE, NEVADA	UAS MAIN GATE/SEWER TRANSFER STATION/INFRASTRUCTURE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
25219	730-839	LKTC093108	6,500

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 325

(4) Construction Contract Award 09 JAN

(5) Construction Start 09 MAR

(6) Construction Completion 10 MAY

(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 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA	4. COMMAND: AIR COMBAT COMMAND	5. AREA CONST COST INDEX 1.3

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 07	1053	6415	2709	75	135	2	0	1	263	10,653
END FY 2012	1103	6322	2696	75	135	2	0	1	263	10,597

7. INVENTORY DATA ($000)

a. Total Acreage:	13,921	
b. Inventory Total as of : (30 Sep 07)		2,109,983
c. Authorization Not Yet in Inventory:		115,800
d. Authorization Requested in this Program:		53,300
e. Authorization Included in the Following Program:	(FY 2010)	11,200
f. Planned in Next Three Years Program:		51,100
g. Remaining Deficiency:		185,100
h. Grand Total:		2,526,483

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
113-321	Airfield Pavements	19,500 SM	5,000	Design	Build
141-753	F-16 Aggressor Squad Ops Facility/Infrastructure	1,487	17,500	Design	Build
211-111	F-16 Aggressor Hangar/Aircraft Maintenance Unit	5,438 SM	30,800	Design	Build
		TOTAL	53,300		

9a. Future Projects: Included in the Following Program: (FY2010)

100-001	TAC Fighter Training Aggressors	1 LS	5,454
100-001	F-16 Aggressor MILCON	1 LS	5,746
		TOTAL	11,200

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

100-001	F-16 Aggressor MILCON	1 LS	22,300
131-111	Communications Network Control Center	3,160 SM	19,000
731-142	Add/Alter Fire/Crash Rescue Station	1,361 SM	9,800
		TOTAL	51,100

9c. Real Property Maintenance Backlog This Installation: ($M) 175

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

11. Outstanding Pollution and Safety (OSHA) Deficiencies:

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

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1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	AIRFIELD PAVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	RKMF093005	5,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				3,775
PARKING APRON	SM	14,000	230	(3,220)
TAXIWAY	SM	2,000	225	(450)
PAVED SHOULDERS	SM	3,500	30	(105)
SUPPORTING FACILITIES				740
UTILITIES	LS			(740)
SUBTOTAL				4,515
CONTINGENCY (5.0%)				226
TOTAL CONTRACT COST				4,741
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				270
TOTAL REQUEST				5,011
TOTAL REQUEST (ROUNDED)				5,000

10. Description of Proposed Construction: Construct 18-inch (medium load design) 700 PSI flex strength Portland Cement Concrete aircraft parking ramp and taxiway, asphalt shoulders, base and sub-base, drainage systems, apron and taxiway lighting, pavement marking, site work, utilities, pre-formed compression joint seals, aircraft tiedowns and grounding points and all other necessary work as required.

11. Requirement: 1649045 SM Adequate: 1420647 SM Substandard: 154298 SM

PROJECT: Construct Airfield Pavements. (Current Mission)

REQUIREMENT: Adequately sized and configured parking apron and associated taxiways and shoulders are required to support current and projected assigned aircraft to Nellis AFB. Over the last 5-8 years, Nellis AFB has added 40 aircraft supporting the F-22A, and F-15/F-16 Aggressor beddown. Additionally, Nellis Flag exercises and other joint training in preparation for AEF rotations has increased significantly since 2004. The base is also projected to receive additional aircraft under BRAC 2005 and post-BRAC force shaping actions. Ramp space is required immediately to alleviate aircraft parking limitations.

CURRENT SITUATION: Nellis AFB does not have adequate aircraft parking to meet current requirements. Nellis' parking ramp is at maximum capacity and cannot meet the base's full requirement to park existing aircraft and projected requirements. Inadequate workarounds include using several ramp areas to park aircraft even though the pavement violates airfield criteria. This unsafe workaround forces the base to park aircraft closer together which violates safety standards associated with temperature and velocity of jet blasts. The pavement situation is critical. Currently, the installation must limit the number of visiting units that can participate in the various flag exercises, the USAF Weapon School and test missions.

IMPACT IF NOT PROVIDED: Failure to provide additional parking ramp space in a timely manner to support current and projected force structure will critically impact the installation's primary mission to train Combat Air Forces (CAF) and to test and evaluate new aircraft and associated weapons systems. Without this new pavement,

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA	4. PROJECT TITLE AIRFIELD PAVEMENTS	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	RKMF093005	5,000

training opportunities for the CAF will be greatly limited. The number of deployed units and types of aircraft will have to be reduced in order to support assigned Nellis aircraft.

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. An analysis of reasonable options for accomplishing this project (status quo, renovations, new construction) was completed. Analysis indicates there is no other option that will meet operational requirements. Civil Engineer: Lt Col Patrick F. Fogarty: (702) 652-4833; (Parking Apron: 14,000 SM = 16,744 SY; Taxiway: 2,000 SM = 2,392 SY; Shoulders: 3,500 SM = 4,186 SY)

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	AIRFIELD PAVEMENTS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	RKMF093005	5,000

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 250

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 MAR

(6) Construction Completion 10 MAR

(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	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	F-16 AGGRESSOR SQUADRON OPERATIONS FACILITY/INFRASTRUCTURE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27218	141-753	RKMF083011	17,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				13,484
SQUADRON OPERATIONS FACILITY	SM	1,487	3,874	(5,761)
ELECTRICAL SUBSTATION	EA	1	*********	(3,642)
PRIMARY ELECTRICAL DISTRIBUTION	LM	8,200	450	(3,690)
SDD & EPACT 05	SM	1,487	181	(269)
ANTITERRORISM/FORCE PROTECTION	SM	1,487	82	(122)
SUPPORTING FACILITIES				2,284
UTILITIES	LS			(580)
PAVEMENTS	LS			(823)
SITE IMPROVEMENTS	LS			(596)
COMMUNICATIONS	LS			(285)
SUBTOTAL				15,768
CONTINGENCY (5.0%)				788
TOTAL CONTRACT COST				16,556
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				944
TOTAL REQUEST				17,500
TOTAL REQUEST (ROUNDED)				17,500

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel frame, standing seam metal roof, masonry exterior, fire detection/protection, utilities, site improvements, landscaping, reconfigured road system/parking, communications support and all other necessary support. Infrastructure work includes a new electrical substation and primary electrical distribution line. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

Air Conditioning: 44 Tons

11. Requirement: 6794 SM Adequate: 5307 SM Substandard: 0 SM

PROJECT: Construct F-16 Aggressor Squadron Operations Facility and Infrastructure. (New Mission)

REQUIREMENT: A properly sized and configured squadron operations facility is required to support the beddown of 24 Primary Training Aircraft Inventory (PTAI) F-16 Aggressor aircraft under the 64th Aggressor Squadron at Nellis AFB, NV. Areas include mission planning, squadron commander and support staff, operational support flight, aircrew life support training, conference room, briefing rooms, training room, testing room, operations and maintenance area, locker rooms, bathrooms, lounges, storage and all other support to provide a complete and usable facility. F-16 aircraft delivery began in FY05 with the last aircraft delivery scheduled for FY10 as a result of four distinct force structure actions for the overall Aggressor mission at Nellis AFB. With the consolidation of all new squadron operations functions in the newly designated Operations Campus at Nellis AFB, a new substation,

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	F-16 AGGRESSOR SQUADRON OPERATIONS FACILITY/INFRASTRUCTURE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27218	141-753	RKMF083011	17,500

primary electrical distribution line, new road alignment and parking areas are required to support this project and the future development of the Operations Campus.

CURRENT SITUATION: Nellis AFB does not have excess squadron operations facilities to support the additional 24 PTAI F-16 Aggressor aircraft mission and associated aircraft operational functions. Nellis is one of the most congested airfields in the Air Force from an operational and logistical perspective. The installation supports diversified weapons systems ranging from helicopters to the F-22A aircraft; all supporting operational tests, the weapons school and flag exercises. In addition, Nellis AFB employs up to 80% of the live munitions in the CONUS. The rapid mission growth experienced at Nellis AFB over the past decade has taxed the primary electrical distribution system to its maximum capacity which necessitates an upgrade to this critical infrastructure system.

IMPACT IF NOT PROVIDED: Failure to provide facilities in a timely manner will critically impact the operational capabilities of the installation and incoming F-16 Aggressor aircraft. Adequate facilities will not be available to perform critical operational planning, severely degrading realistic air combat training. The lack of simulated air combat training scenarios provided by F-16 Aggressor aircraft will diminish the combat effectiveness of pilots and their aircrews.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An analysis of reasonable options for accomplishing this project (status quo, renovations, new construction) was completed. Analysis indicates there is only one option that will meet operational requirements; new construction. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Civil Engineer: Lt Col Patrick F. Fogarty: (702) 652-4833; (Squadron Operations Facility: 1,487 SM = 16,000 SF).

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA	4. PROJECT TITLE F-16 AGGRESSOR SQUADRON OPERATIONS FACILITY/INFRASTRUCTURE	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27218	141-753	RKMF083011	17,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	01-JAN-08
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	35%
* (d) Date 35% Designed	02-JAN-08
(e) Date Design Complete	30-SEP-08
(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	1,050
(b) All Other Design Costs	525
(c) Total	1,575
(d) Contract	1,400
(e) In-house	175
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 APR
(6) Construction Completion	10 SEP

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

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	F-16 AGGRESSOR HANGAR/AIRCRAFT MAINTENANCE UNIT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27218	211-111	RKMF093016	30,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				17,939
HANGAR	SM	2,650	3,463	(9,177)
AIRCRAFT MAINTENANCE UNIT	SM	1,302	2,152	(2,802)
AIR WARRIOR DEPLOYED OPERATIONS	SM	1,486	3,557	(5,286)
SDD & EPACT 05	SM	5,438	95	(517)
ANTITERRORISM/FORCE PROTECTION	SM	5,438	29	(158)
SUPPORTING FACILITIES				9,813
UTILITIES	LS			(1,652)
PAVEMENTS	LS			(580)
SITE IMPROVEMENTS	LS			(450)
AIRFIELD PAVEMENTS	SM	14,000	250	(3,500)
WATER STORAGE	LS			(2,000)
DEMOLITION/ASBESTOS ABATEMENT	SM	2,026	350	(709)
ENVIRONMENTAL REMEDIATION	LS			(497)
COMMUNICATIONS SUPPORT	LS			(425)
SUBTOTAL				27,752
CONTINGENCY (5.0%)				1,388
TOTAL CONTRACT COST				29,140
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,661
TOTAL REQUEST				30,801
TOTAL REQUEST (ROUNDED)				30,800

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel frame, standing seam metal roof, masonry exterior, fire detection/protection, environmental remediation, utilities, site improvements, landscaping, access roads/parking, hangar apron access pavements/lighting/markings, fire protection water storage, communications support, demolition/asbestos abatement of one facility (2,026 SM) in the way of construction, and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

Air Conditioning: 200 Tons

11. Requirement: 44067 SM Adequate: 38629 SM Substandard: 0 SM

PROJECT: Construct F-16 Aggressor Hangar/Aircraft Maintenance Unit. (New Mission)

REQUIREMENT: A 4-bay maintenance hangar, Aircraft Maintenance Unit (AMXU), and Air Warrior Deployed Operations facility adequately sized and configured are required to support the beddown of 24 Primary Training Aircraft Inventory F-16 Aggressor aircraft to meet the Primary Aircraft Authorization (PAA) requirements. F-16 aircraft delivery began in FY05 with last aircraft delivery scheduled for FY10 as a result of four distinct force structure actions for the overall Aggressor mission at Nellis AFB. The high bay hangar is required to support the direct maintenance of the F-16 aircraft. The AMXU facility is required to support flight operations, direct flightline maintenance functions, mission briefs and debriefs. An Air

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
NELLIS AIR FORCE BASE, NEVADA	F-16 AGGRESSOR HANGAR/AIRCRAFT MAINTENANCE UNIT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27218	211-111	RKMF093016	30,800

Warrior Deployed Operations Facility is required to support the displacement of this function as a result of the siting of the hangar/AMXU. The selected site also requires the removal/cleanup of contaminated soil.

CURRENT SITUATION: Nellis AFB does not have excess flightline facilities to support the additional 24 PTAI F-16 Aggressor aircraft mission and associated aircraft maintenance functions. Nellis is one of the most congested airfields in the Air Force from an operational and logistical perspective. The installation supports diversified weapons systems ranging from helicopters to the F-22A aircraft; all supporting operational tests, the weapons school and flag exercises. In addition, Nellis AFB employs up to 80% of the live munitions in the CONUS.

IMPACT IF NOT PROVIDED: Failure to provide facilities in a timely manner will critically impact the operational capabilities of the installation and incoming aircraft. Adequate facilities will not be available to perform critical aircraft maintenance functions, thus diminishing combat effectiveness. Without the AMXU and hangar, maintenance personnel will not be able to adequately maintain aircraft to support required sortie generations and combat turns. The aircraft utilization rate will decrease to an unacceptable level.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An analysis of reasonable options for accomplishing this project (status quo, renovations, new construction) was completed. Analysis indicates there is only one option that will meet operational requirements; new construction. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Civil Engineer: Lt Col Patrick F. Fogarty: (702) 652-4833; (Maintenance Hangar: 2,650 SM = 28514 SF; Aircraft Maintenance Unit: 1,302 SM = 14,010 SF; Air Warrior Deployed Operations: 1,486 SM = 15,989 SF).

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA	4. PROJECT TITLE F-16 AGGRESSOR HANGAR/AIRCRAFT MAINTENANCE UNIT	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27218	211-111	RKMF093016	30,800

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 1,540

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 MAR

(6) Construction Completion 11 FEB

(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 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
HOLLOMAN AIR FORCE BASE, NEW MEXICO	AIR COMBAT COMMAND	COST INDEX 0.98

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	437	3554	1925	8	4	0	1	10	86	6,025
END OF FY 2012	395	3411	1829	8	4	0	1	10	86	5,744

7. INVENTORY DATA ($000)			
a. Total Acreage:	57,837		
b. Inventory Total as of : (30 Sep 07)			2,524,621
c. Authorization Not Yet in Inventory:			0
d. Authorization Requested in this Program:			25,450
e. Authorization Included in the Following Program:		(FY 2010)	10,000
f. Planned in Next Three Years Program:			0
g. Remaining Deficiency:			14,500
h. Grand Total:			2,574,571

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
171-212	F-22 Add/Alter Flight Simulator Facility	1,022	SM	3,150	Jun-07	Sep-08
211-154	F-22 Add/Alter Aircraft Maintenance Unit	697	SM	1,050	Jun-07	Sep-08
211-157	F-22 Add/Alter Jet Engine Maintenance Shop	697	SM	2,150	Jun-07	Sep-08
218-712	F-22 Aerospace Ground Equipment (AGE) Fac	1,027	SM	4,600	Jun-07	Sep-08
211-712	F-22 Alter Hangar Bay for LO/Composite Repair Fac	3,252	SM	14,500	Jun-07	Sep-08
		TOTAL		25,450		

9a. Future Projects: Included in the Following Program: (FY2010)

731-142	Fire/Crash Rescue Station	2,178	SM	10,000
		TOTAL		10,000

9b. Future Projects: Typical Planned Next Three Years:
None

9c. Real Property Maintenance Backlog This Installation: ($M) 72

10. Mission or Major Functions: Air Combat Command; a fighter wing with two F-117 squadrons, one German F-4 training squadron, a major command training squadron, a weapons testing and evaluation wing, and the war reserve material bare base support group.

11. Outstanding Pollution and Safety (OSHA) Deficiencies:

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

DD Form 1390, 9 Jul 02

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22 ADD/ALTER FLIGHT SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-212	KWRD093005	3,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				2,767
ADDITION TO FLIGHT SIMULATOR	SM	650	3,046	(1,980)
ALTER FLIGHT SIMULATOR FACILITY	SM	372	1,938	(721)
SDD & EP ACT 2005	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(16)
SUPPORTING FACILITIES				76
UTILITIES	LS			(58)
SITE IMPROVEMENTS	LS			(18)
SUBTOTAL				2,843
CONTINGENCY (5.0%)				142
TOTAL CONTRACT COST				2,985
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				170
TOTAL REQUEST				3,155
TOTAL REQUEST (ROUNDED)				3,150

10. Description of Proposed Construction: Reinforced concrete slab, steel structure, masonry walls, roll-up doors, standing-seam metal roof, utilities, site improvements, fire detection/protection, interior alterations, and all other necessary support. Force protection includes reinforced exterior walls and fully laminated windows in compliance with DOD force protection standards.

11. Requirement: 4237 SM Adequate: 3215 SM Substandard: 372 SM

PROJECT: F-22 Add/Alter Flight Simulator Facility. (New Mission)

REQUIREMENT: Adequate space is required to house aircraft flight simulators, administration, classrooms, trainer maintenance and storage. Holloman requires an additional 1,022 SM which will include high-bay areas for a four-ship simulator package; as well as administrative support space, instructors' offices, and crew debrief rooms.

CURRENT SITUATION: The existing flight simulator facility has only 2 high-bay spaces and is not properly configured for F-22A aircrew training. There is not adequate space to house aircraft simulators and the additional administrative requirements.

IMPACT IF NOT PROVIDED: Failure to execute this project on time will result in the inability to meet training requirements for F-22A aircrews. It would drive extended periods of costly TDY workarounds (TDY to other simulator locations), placing unnecessary strain on manpower and resources. Ultimately, aircrew combat capability, readiness and quality of life will suffer. In addition, simulators are being purchased to support F-22A training and will require storage at government expense until facility is complete.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements", and is augmented by the F-22A Facility Requirements Plan. A preliminary analysis of reasonable options for accomplishing this project

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE F-22 ADD/ALTER FLIGHT SIMULATOR FACILITY	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 171-212	7. PROJECT NUMBER KWRD093005	8. PROJECT COST ($000) 3,150

(status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Lt Col Michael L. Myers, DSN 572-3071; (Add/Alter Flight Simulator Facility: 1,022 SM = 10,997 SF).

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22 ADD/ALTER FLIGHT SIMULATOR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	171-212	KWRD093005	3,150

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	15-JUN-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	100%
* (d) Date 35% Designed	30-SEP-07
(e) Date Design Complete	30-SEP-08
(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	189
(b) All Other Design Costs	95
(c) Total	284
(d) Contract	236
(e) In-house	47
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	10 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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22 ADD/ALTER AIRCRAFT MAINTENANCE UNIT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-154	KWRD093004	1,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				793
ADDITION TO AIRCRAFT MAINTENANCE UNIT	SM	325	1,450	(471)
ALTER AIRCRAFT MAINTENANCE UNIT	SM	372	802	(298)
SDD & EP ACT 2005	LS			(15)
ANTI-TERRORISM/FORCE PROTECTION	SM	325	25	(8)
SUPPORTING FACILITIES				158
UTILITIES	LS			(50)
SITE IMPROVEMENTS	LS			(25)
COMMUNICATION	LS			(83)
SUBTOTAL				951
CONTINGENCY (5.0%)				48
TOTAL CONTRACT COST				998
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				57
TOTAL REQUEST				1,055
TOTAL REQUEST (ROUNDED)				1,050
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(101.0)

10. Description of Proposed Construction: Reinforced concrete slab, steel structure, masonry walls, standing seam metal roof, utilities, site improvements, fire detection/protection, interior alterations, and all other necessary support. Force protection includes reinforced exterior walls and fully laminated windows.

Air Conditioning: 10 Tons

11. Requirement: 697 SM Adequate: 0 SM Substandard: 372 SM

PROJECT: F-22 Add/Alter Aircraft Maintenance Unit. (New Mission)

REQUIREMENT: Adequate space is required for supervision, administartion, training, dispatch, analysis, scheduling, briefing, ready room, flight line equipment, tool kits, tool room and bench stock and a vault for special access programs.

CURRENT SITUATION: Building 894 is not adequately sized to accommodate the F-22A aircraft maintenance unit functions. It lacks space for support functions and the vault is too small to store the increase in Special Access Program/Special Access Requirements (SAP/SAR) materials. The F-22A mission requires an additional 325 SM of space to meet mission requirements.

IMPACT IF NOT PROVIDED: This is a critical New Mission beddown project. Failure to execute the project will hamper maintenance operations on the F-22A fighter aircraft. A delay in maintenance functions will ultimately effect mission accomplishment.

ADDITIONAL: This project meets the criteria/scope specified in AF Handbook 32-1084, "Facility Requirements", and is augmented by the F-22A Facility Requirements Plan. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE F-22 ADD/ALTER AIRCRAFT MAINTENANCE UNIT	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 211-154	7. PROJECT NUMBER KWRD093004	8. PROJECT COST ($000) 1,050

that will meet operational requirements. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Lt Col Michael L. Myers, (505) 572-3071 (Add/Alter Aircraft Maintenance Unit Facility: 697 SM = 7,500 SF).

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22 ADD/ALTER AIRCRAFT MAINTENANCE UNIT

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-154	KWRD093004	1,050

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	15-JUN-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	100%
* (d) Date 35% Designed	30-SEP-07
(e) Date Design Complete	30-SEP-08
(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	63
(b) All Other Design Costs	32
(c) Total	95
(d) Contract	79
(e) In-house	16
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	09 OCT

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
ETHER SWITCHES	3400	2009	75
TELEPHONE LINE CARDS	3400	2009	12
TACLANES	3080	2009	14

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22A ADD/ALTER JET ENGINE MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-157	KWRD093003	2,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				1,871
ADDITION TO MAINTENANCE SHOP	SM	464	2,782	(1,291)
ALTER JET ENGINE MAINTENANCE SHOP	SM	233	2,300	(536)
SDD & EPACT 05	SM	797	45	(36)
ANTITERRORISM/FORCE PROTECTION	SM	464	18	(8)
SUPPORTING FACILITIES				66
UTILITIES	LS			(38)
PAVEMENTS	LS			(18)
SITE IMPROVEMENTS	LS			(10)
SUBTOTAL				1,937
CONTINGENCY (5.0%)				97
TOTAL CONTRACT COST				2,034
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				116
TOTAL REQUEST				2,150
TOTAL REQUEST (ROUNDED)				2,150

10. Description of Proposed Construction: Reinforced concrete floor slab and foundation, masonry block walls, standing seam metal roof, utilities, pavements, site improvements, fire detection/protection, communication support, and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

11. Requirement: 3167 SM Adequate: 2470 SM Substandard: 233 SM

PROJECT: Add/Alter F-22A Jet Engine Maintenance Shop. (New Mission)

REQUIREMENT: Adequate space is required for the maintenance and storage of aircraft engines, parts and accessories. Maintenance includes disassembly, inspection, repair, replacement, technical order compliance, and assembly of engine components. Jet engine maintenance for the F-22A requires 3,400 SM of specialized space.

CURRENT SITUATION: The existing engine shop is built around maintenance for the F404 engine for the F-117 fighter aircraft. The facility does not have adequate space to permit driving an engine trailer into the shop and aligning it with the engine rails, while conducting maintenance functions simultaneously on multiple engines. There are two bridge cranes in the existing shop which will work with the F119 engine that powers the F-22A fighter aircraft.

IMPACT IF NOT PROVIDED: Jet engine maintenance functions will be limited until the facility project is complete and adequate space provided. Engine maintenance limitations may delay wing sortie rates and severely hamper overall mission accomplishment.

ADDITIONAL: This project meets criteria/scope specifications in Air Force Handbook 32-1084, "Facilities Requirements" and is augmented by the F-22A Facility Requirements Plan. 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; add/alter. A certificate of exception has been prepared. Sustainable principles will be

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22A ADD/ALTER JET ENGINE MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-157	KWRD093003	2,150

integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Lt Col Michael L. Myers, (505) 572-3071 (Add/Alter Jet Engine Maintenance Shop: 697 SM = 7,500 SF).

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22A ADD/ALTER JET ENGINE MAINTENANCE SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-157	KWRD093003	2,150

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	15-JUN-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	100%
* (d) Date 35% Designed	30-SEP-07
(e) Date Design Complete	30-SEP-08
(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	129
(b) All Other Design Costs	65
(c) Total	194
(d) Contract	161
(e) In-house	32
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	10 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:
N/A

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22A ALTER HANGAR BAY FOR LO/COMPOSITE REPAIR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-712	KWRD083002	14,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				5,042
ALTER HANGAR FOR LO TRAINING AREAS	SM	3,252	830	(2,699)
VENTILATION SYSTEM FOR PAINT BOOTHS	LS			(2,200)
SDD & EPACT 05	SM	3,252	30	(98)
ANTITERRORISM/FORCE PROTECTION	SM	3,252	14	(46)
SUPPORTING FACILITIES				8,023
UTILITIES	LS			(223)
PAVEMENTS	LS			(400)
SITE IMPROVEMENTS	LS			(250)
PAINT BOOTH (2 EA)	LS			(7,100)
COMMUNICATIONS	LS			(50)
SUBTOTAL				13,065
CONTINGENCY (5.0%)				653
TOTAL CONTRACT COST				13,719
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				782
TOTAL REQUEST				14,500
TOTAL REQUEST (ROUNDED)				14,500

10. Description of Proposed Construction: Alter hangar to accept paint booth inserts for F-22A Low Observable (LO) maintenance, and administrative area to support LO maintenance training functions. Includes ventilation system, utilities, repair of deteriorated aircraft apron, site improvements and installation of paint booths. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

11. Requirement: 3252 SM Adequate: 0 SM Substandard: 3252 SM

PROJECT: Alter Hangar for F-22A Low Observable/Composite Repair Facility (LO/CRF). (New Mission)

REQUIREMENT: Adequate space to support the F-22A Low Observable/Composite Repair Facility (LO/CRF) functions at Holloman AFB. Alteration of Building 898 meets the requirements for LO maintenance and repair, and provides an adequate training environment for the same function. Space requirements were determined by Lockheed Martin/Boeing Facilities Requirement Plan dated Oct 2005 and validated by an ACC Site Survey and Site Activation Task Force (SATAF). Aircraft arrival is scheduled to begin in the first quarter of FY09.

CURRENT SITUATION: The F-117 Aerospace Ground Equipment (AGE) function currently occupies the hangar to be altered for the LO/CRF. The hangar can accommodate LO/CRF activities with alterations. Once the AGE function is relocated from the facility, conversion can take place. Current LO repair capability for the F-117 (Bldg 830)is not suitable, nor is the correct size, for the F-22A. That particular facility will be used for component repair only.

IMPACT IF NOT PROVIDED: On-plane LO spray repairs will not be possible for the F-22A without this facility. Only brush-roll repairs will be available, limiting the extent and conditions for making repairs. Sortie generation and training

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO	4. PROJECT TITLE F-22A ALTER HANGAR BAY FOR LO/COMPOSITE REPAIR FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-712	KWRD083002	14,500

utilization rates will be greatly reduced, therefore impairing mission capability.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements" and the F-22A SATAF Facility Plan. A preliminary analysis of reasonable options for accomplishing this project (status quo, new construction, renovation) was done. It indicates there is only one option that will meet operational requirements; add/alter. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Lt Col Michael L. Myers, 572-3071; (LO/CRF Facility: 3,252 SM = 34,991 SF).

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22A ALTER HANGAR BAY FOR LO/COMPOSITE REPAIR FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-712	KWRD083002	14,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	15-JUN-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	100%
* (d) Date 35% Designed	30-SEP-07
(e) Date Design Complete	30-SEP-08
(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	870
(b) All Other Design Costs	435
(c) Total	1,305
(d) Contract	1,160
(e) In-house	145
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	10 SEP

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

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22 AEROSPACE GROUND EQUIPMENT (AGE) FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	218-712	KWRD963003	4,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				3,012
AGE FACILITY	SM	1,027	2,179	(2,238)
AGE OPEN STORAGE AND STAGING	SM	1,320	200	(264)
ANTI-TERRORISM/FORCE PROTECTION	LS			(30)
JACK STAND TEST AREA	LS			(250)
VEHICLE WASH RACK	LS			(171)
SDD & EP ACT 2005	LS			(59)
SUPPORTING FACILITIES				1,116
UTILITIES	LS			(550)
COMMUNICATIONS	LS			(53)
ACCESS ROAD AND APRON PAVEMENTS	SM	1,250	50	(63)
SITEWORK	LS			(450)
SUBTOTAL				4,127
CONTINGENCY (5.0%)				206
TOTAL CONTRACT COST				4,334
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				247
TOTAL REQUEST				4,581
TOTAL REQUEST (ROUNDED)				4,600

10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, masonry walls, standing seam metal roof, fire detection/protection, utilities, pavements, site improvements, communication support, fueling station, and all other necessary support. Force protection includes reinforced exterior walls, and fully laminated windows in compliance with minimum DOD standards.

Air Conditioning: 200 Tons

11. Requirement: 8158 SM Adequate: 7131 SM Substandard: 0 SM

PROJECT: Construct F-22 Aerospace Ground Equipment (AGE) facility. (New Mission)

REQUIREMENT: An adequate AGE facility is required for inspection, maintenance and storage of F-22A AGE. This equipment must be held in a state of immediate readiness for deployment with aircraft. Space requirements for 201 units of AGE equipment is 1,027 SM with an additional 1,320 SM of open storage. In order to ensure readiness and efficiency, the facility must be located in close proximity to aircraft operational areas and must have access to parking ramps. Aircraft arrival is scheduled to begin in the first quarter of FY09.

CURRENT SITUATION: AGE operations are currently located in 3 geographically separated buildings. The main facility is located in Building 898, an aircraft hangar that will be altered to house F-22A Low Observable/Composite Repair Facility (LO/CRF). This impending alteration will require relocation of AGE maintenance operations. No other suitable space exists.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOLLOMAN AIR FORCE BASE, NEW MEXICO	F-22 AEROSPACE GROUND EQUIPMENT (AGE) FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	218-712	KWRD963003	4,600

IMPACT IF NOT PROVIDED: The base will not have full AGE maintenance capability once the equipment is moved out of the maintenance hangar bay that is scheduled for alteration in FY09 as the LO/CRF. Maintenance work will have to be done outdoors, or in other facilities not set up for the function. Equipment capability and readiness will suffer. The diminished capabilities will severely hamper the wing's ability to meet mission taskings.

ADDITIONAL: This project meets the criteria/scope specified in both Air Force Handbook 32-1084, "Facility Requirements", and the F-22A Facility Requirements Plan. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Lt Col Michael L. Myers, (505) 572-3071; (AGE Facility: 1,027 SM = 11,050 SF).

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO	4. PROJECT TITLE F-22 AEROSPACE GROUND EQUIPMENT (AGE) FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	218-712	KWRD963003	4,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	15-JUN-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	100%
* (d) Date 35% Designed	30-SEP-07
(e) Date Design Complete	30-SEP-08
(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	276
(b) All Other Design Costs	138
(c) Total	414
(d) Contract	345
(e) In-house	69
(4) Construction Contract Award	**09 FEB**
(5) Construction Start	**09 MAR**
(6) Construction Completion	**10 MAR**

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

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

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
TINKER AIR FORCE BASE	AIR FORCE MATERIEL	COST INDEX
OKLAHOMA	COMMAND:	0.91

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	1472	7165	15584							8,637
END FY 2012										0

7. INVENTORY DATA ($000)

Total Acreage:	5,033	
Inventory Total as of : (30 Sep 07)		2,202,737
Authorization Not Yet in Inventory:		85,600
Authorization Requested in this Program:		48,600
Authorization Included in the Following Program:	(FY 2010)	24,178
Planned in Next Three Years Program:		49,964
Remaining Deficiency:		128,000
Grand Total:		2,539,079

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-116	DMRT - 3 Bay Multi-Hangar	15,307	SM	48,600	Design	Build
		Total		48,600		

9a. Future Projects: Included in the Following Program: (FY2010)

211-157	Building 3001, Revitalization, Phase 3	3,595	SM	24,178
		Total		24,178

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

610-249	Consolidated Wing Headquarters	5,663	SM	15,000
813-231	Electrical Substation #6	40	MVA	8,300
113-321	AWACS Parking Apron	56,110	SM	12,200
730-832	Realign Air Depot at Tinker Gate	702	SM	5,364
149-962	Construct Air Traffic Control Tower	1,006	SM	9,100
		Total		49,964

9c. Real Propery Maintenance Backlog This Installation: ($M) 116

10. Mission or Major Functions: Tinker Air Force Base combined mission includes operations, supply, maintenance and management in support of the 76th Maintenance Wing, 552nd ACW, 327th Air Sustainment Wing, 448th Combat Sustainment Wing, 3rd Combat Comm, Air Force Reserves, Navy Stratcomm Wing One, 72nd Air Base Wing, Defense Logistics Agency and Defense Information Systems 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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TINKER AIR FORCE BASE, OKLAHOMA	DMRT - 3 BAY MULTI-AIRCRAFT HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	211-116	WWYK063012	48,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				40,380
AIRCRAFT HANGAR	SM	15,307	2,560	(39,186)
ANTITERRORISM FORCE PROTECTION	SM	15,307	26	(398)
SDD & EP ACT 2005	SM	15,307	52	(796)
SUPPORTING FACILITIES				3,400
COMMUNICATIONS	LS			(250)
DRILLED PIERS	LS			(400)
UTILITIES	LS			(1,250)
PAVEMENTS	LS			(950)
IN DOCK HYDRANT CONNECT	LS			(150)
SITE IMPROVEMENTS	LS			(400)
SUBTOTAL				43,780
CONTINGENCY (5.0%)				2,189
TOTAL CONTRACT COST				45,969
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				2,620
TOTAL REQUEST				48,589
TOTAL REQUEST (ROUNDED)				48,600
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(1,060)

10. Description of Proposed Construction: Construct a high bay maintenance hangar with drilled pier foundation consisting of 3 multi-purpose maintenance bays that are capable of handling fueled aircraft. Bays shall be separated by walls to allow different types of maintenance work concurrently. A fuel/defuel hydrant shall be provided in the north hangar bay and on the ramp in close proximity to the hangar. Hydrant system shall tie to base fuel system. Minimum inside dimensions of hangar are 210' X 175' for north/south bays and a 210' X 332' for the middle bay. Facility is sited on the existing ramp, requiring removal of 18" thick concrete. Site also has a 10' elevation change. Comply with DoD Force Protection requirements as per the Unified Facilities Criteria.

11. Requirement: 131077 SM Adequate: 115770 SM Substandard: 0 SM

PROJECT: Construct a 3 bay aircraft hangar. (Current Mission)

REQUIREMENT: Construct 3 bay multi-aircraft hangar with two end bays sized for KC-135 or 767-200 and a middle bay sized for two KC-135s or two 767-200s with a hangar door that closes to the middle, such that each side of the door accesses one of the docks, to allow transfer of KC-135 workload from docks 6, 7, 8, and 9 in building 3001 to accommodate one-dock one-door production capabilities.

CURRENT SITUATION: The KC-135 program requires 15 Programmed Depot Maintenance docks to accomplish its workload. Building 3001 currently has nine KC-135 aircraft docks which are too small to co-locate required production resources, stands, jacks, tools, and parts, causing movement and storage of parts at remote locations, setting up multiple docks to do segments of production work, and moving aircraft from dock to dock. The inadequate number of fuel docks requires maintenance of aircraft on the ramp and are dependent on suitable weather conditions. Construction of a fuel capable hangar will help alleviate that problem. This facility has a

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		4. PROJECT TITLE DMRT - 3 BAY MULTI-AIRCRAFT HANGAR	
5. PROGRAM ELEMENT 72896	6. CATEGORY CODE 211-116	7. PROJECT NUMBER WWYK063012	8. PROJECT COST ($000) 48,600

savings to investment ratio of 4.25 and a payback period of 5.59 years when compared to the status quo option.

IMPACT IF NOT PROVIDED: If the aircraft docks are not replaced, Air Force resources will continue to be wasted on group moves of aircraft which interrupts production momentum. Workload schedules will continue to negatively impact the operational readiness of the entire KC-135 fleet in the Air Force. Emergency event will cause loss of all assets in three of the four docks.

ADDITIONAL: This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirement." An Economic Analysis is completed and recommends new construction with a Savings to Investment Ratio of 4.25 and a payback in 5.59 years. The requirements for this project was validated by the Joint-Service Depot Maintenance Military Construction Review Panel on 16 November 2005. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer is Mr. Gene Gallogly, (405) 734-3451. Aircraft Hangar: 15,307 SM = 164,704 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA	4. PROJECT TITLE DMRT - 3 BAY MULTI-AIRCRAFT HANGAR	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896	211-116	WWYK063012	48,600

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 2,475

(4) Construction Contract Award 08 DEC

(5) Construction Start 09 JAN

(6) Construction Completion 10 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
COMMUNICATIONS EQUIPMENT	3010	2009	1,060

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
CHARLESTON AIR FORCE BASE SOUTH CAROLINA	AIR MOBILITY COMMAND	0.94

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 07	526	3216	622	11	39	5	357	1951	618	7,345
END FY 2012	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 07)		1,168,947
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		4,500
Authorization Included in the Following Program:	(FY 2010)	10,402
Planned in Next Three Years Program:		12,400
Remaining Deficiency:		86,200
Grand Total:		1,282,449

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
171-212	C-17 Flight Simulator Addition	800	SM	4,500	Jul 07	Sep 08
			TOTAL	4,500		

9a. Future Projects: Included in the Following Program: (FY2010)

610-127	BCE/Contracting Complex, Phase 1	3,708	SM	10,402
			TOTAL	10,402

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

730-142	Fire/Rescue Station	2,919	SM	12,400
			TOTAL	12,400

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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	C-17 FLIGHT SIMULATOR ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	DKFX093008	4,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				2,947
C-17 FLIGHT SIMULATOR ADDITION	SM	800	3,582	(2,865)
ANTITERRORISM/FORCE PROTECTION	LS			(24)
SDD & EP ACT 2005	SM	800	72	(57)
SUPPORTING FACILITIES				1,112
UTILITIES	LM	245	278	(68)
PAVEMENTS	SM	892	125	(112)
SITE IMPROVEMENTS	SM	2,428	87	(212)
DEMOLITION - HORIZONTAL	SM	595	17	(10)
COMMUNICATIONS	LS			(160)
EXISTING FACILITY INTEGRATION	LS			(200)
SPECIAL FOUNDATIONS	LS			(350)
SUBTOTAL				4,059
CONTINGENCY (5.0%)				203
TOTAL CONTRACT COST				4,262
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				243
TOTAL REQUEST				4,505
TOTAL REQUEST (ROUNDED)				4,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(18,300.0)

10. Description of Proposed Construction: Construction of new 800 SM high-bay addition to existing C-17 flight simulator training facility. Project includes exterior finish and roof to match existing, structural seismic measures, fire detection/alarm systems, communications support for voice and data systems, fire suppression sprinkler systems, pavements with curbs and gutters, sidewalks, and exterior lighting. Project also includes reconfiguration of existing facility as required to accommodate new addition, integration of existing facility subsystems, loading dock and ramp with shipping/receiving area, security systems, comprehensive interior design, demolition of 595 SM of pavements, site restoration, landscaping, and all necessary and required utilities and work associated with this project. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.

Air Conditioning: 19 Tons

11. Requirement: 3534 SM Adequate: 2734 SM Substandard: 0 SM

PROJECT: Addition to C-17 Flight Simulator Facility. (New Mission)

REQUIREMENT: A properly sized and configured area to accommodate a new six-axis flight simulator and loadmaster trainer with adequate space for operational computers, briefing rooms, component and facility storage, classrooms, and instructor areas in support of the C-17 aircrew training program. This additional simulator will provide required and essential initial, qualification, proficiency,

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	4. PROJECT TITLE C-17 FLIGHT SIMULATOR ADDITION	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	DKFX093008	4,500

hazardous/emergency, and effective mission procedures training. Area must be securable to the Secret level and conform to the security architecture of the existing facility, meet requirements of AFOSH 91-118 for new construction, and comply with C-17 ATS Program Office physical security guidelines.

CURRENT SITUATION: Aircrew training is currently provided by three flight simulators and one loadmaster trainer. Based on the current schedule of 16 hours per day/347 days per year, the training requirements have exceeded the capabilities of the three existing simulators.

IMPACT IF NOT PROVIDED: Meeting established training goals at Charleston AFB will not be achieved as continued transfer of aircrew training requirements from the aircraft to the simulator training program cannot be accomplished without an additional C-17 simulator. Failure to have this project complete at time of actual equipment receipt will result in a storage fee of $25,000 per month delay charge for each simulator on contract plus an additional $250,000 to surge the existing devices.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements", and conforms to requirements established in the Boeing C-17 Aircrew Training System Facility Design Criteria. An economic analysis has been prepared comparing the reasonable alternatives of construction of a new simulator facility, construction of new addition to current facility, and status quo. Based on net present values and benefits of the respective alternatives, construction of a new addition to the current facility was determined to be the most cost-effective option. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col Jeffrey M. Todd, (843) 963-4956. C-17 Flight Simulator Addtion: 800 SM = 8611 SF.

JOINT USE CERTIFICATION: This facility is programmed for joint-use with the 315th Air Wing (AFR); however, it is fully funded by the Air Force.

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	C-17 FLIGHT SIMULATOR ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	DKFX093008	4,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	19-JUL-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	35%
* (d) Date 35% Designed	28-SEP-07
(e) Date Design Complete	17-SEP-08
(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	270
(b) All Other Design Costs	135
(c) Total	405
(d) Contract	338
(e) In-house	68
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	10 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)
SIMULATOR	3010	2009	18,000
COMPREHENSIVE INTERIOR DESIGN	3080	2009	250
COMMUNICATIONS	3080	2008	50

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
FORT HOOD, TEXAS	AIR COMBAT COMMAND	0.85

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07										
END FY 2012										

7. INVENTORY DATA ($000)

a. Total Acreage:		
b. Inventory Total as of : (30 Sep 07)		
c. Authorization Not Yet in Inventory:		
d. Authorization Requested in this Program:		10,800
e. Authorization Included in the Following Program:	(FY 2010)	0
f. Planned in Next Three Years Program:		0
g. Remaining Deficiency:		0
h. Grand Total:		10,800

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
141-753	Joint Air Ground Center	5,434 SM	10,800	Design Build	
		TOTAL	10,800		

9a. Future Projects: Included in the Following Program: (FY2010)
None

9b. Future Projects: Typical Planned Next Three Years:
None

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

10. Mission or Major Functions: In addition to the 1st Cavalry Division and 4th Infantry Division (Mechanized), Fort Hood is also residence for: 13th Corps Support Command, Headquarters Command III Corps, 3rd Signal Brigade, 13th Finance Group, 3rd Personnel Group, 89th Military Police Brigade, 504th Military Intelligence Brigade, 3rd Air Support Operations Group, TRADOC Test and Experimentation Command (TEXCOM), 21st Cavalry Brigade (Air Combat), Medical Dept. Activity (MEDDAC), and Dental Activity (DENTAC)

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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FORT HOOD, TEXAS	JOINT AIR GROUND CENTER

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27418	141-753	ACC093010	10,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				7,342
JOINT AIR GROUND CENTER	SM	3,695	1,717	(6,344)
COVERED VEHICLE STORAGE	SM	1,739	454	(790)
SDD & EPA ACT 2005	LS			(153)
ANTITERRORISM/FORCE PROTECTION	SM	3,695	15	(55)
SUPPORTING FACILITIES				2,381
UTILITIES	LS			(211)
PAVEMENTS	LS			(510)
SITE IMPROVEMENTS	LS			(221)
COMMUNICATION SUPPORT	LS			(390)
DEMOLITION/ASBESTOS ABATEMENT	SM	3,611	220	(794)
SPECIAL FOUNDATIONS	LM	457	558	(255)
SUBTOTAL				9,724
CONTINGENCY (5.0%)				486
TOTAL CONTRACT COST				10,210
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				582
TOTAL REQUEST				10,792
TOTAL REQUEST (ROUNDED)				10,800
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(675)

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, metal frame work, masonry walls, roof system, fire detection/protection system, utilities, pavements, site improvements, special foundations, communication support, and demolition and asbestos abatement of five facilities (3,611 SM). This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.

Air Conditioning: 200 Tons

11. Requirement: 5434 SM Adequate: 0 SM Substandard: 6384 SM

PROJECT: Construct a Joint Air Ground Center. (New Mission)

REQUIREMENT: Facilities to support the administrative, training, vehicle and equipment maintenance and storage requirements for the 3rd Air Support Operations Group (ASOG) and the 9th Air Support Operations Squadron (ASOS) at Fort Hood, Texas. 3 ASOG provides command and control of two geographically separated units and local units, the US Army's III Corps Tactical Air Control Party, and the 3 ASOS in support of the Army's armored and ground combat units. This project supports Chief of Staff of the Air Force direction to collocate air support operations functions with aligned Army units. The ASOG/ASOS maintains mission-ready air support operational personnel, radios, vehicles, and mobility equipment to provide command and control of close air support. Special foundations are required to counter expansive clay soils.

CURRENT SITUATION: The 3 ASOG functions are located in the III Corps headquarters

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION FORT HOOD, TEXAS		4. PROJECT TITLE JOINT AIR GROUND CENTER	
5. PROGRAM ELEMENT 27418	6. CATEGORY CODE 141-753	7. PROJECT NUMBER ACC093010	8. PROJECT COST ($000) 10,800

facility. The facility does not provide the necessary space for training, nor the required storage for open classified and mobility equipment. The 9 ASOS resides in an antiquated WWII barracks. The building has inadequate maintenance equipment storage, communications systems, and utilities necessary for the operation of high-tech electronic equipment. All assigned facilities barely meet minimum operational standards. Additionally, the existing facility does not comply with federal, state and local laws governing handicap accessibility.

IMPACT IF NOT PROVIDED: The 3 ASOG and 9 ASOS will continue to operate out of their present locations negatively impacting unit efficiency. The lack of proper storage for vehicles and equipment will result in faster deterioration and ultimately affect mission capability.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements" and the Air Support Operations Squadron Design Guide. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements. A certificate of exception has been prepared. Base Civil Engineer: Ms Sherry Alpin, DSN 737-7669. (Joint Air Ground Center: 3,695 SM = 39,758 SF; Covered Vehicle Storage: 1,739 SM = 18,712 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION FORT HOOD, TEXAS	4. PROJECT TITLE JOINT AIR GROUND CENTER	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27418	141-753	ACC093010	10,800

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 540

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 MAR

(6) Construction Completion 10 JUL

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPR(	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNITURE	3400	10	450
COMMUNICATION EQUIPMENT	3400	10	225

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
LACKLAND AIR FORCE BASE, TEXAS	AIR EDUCATION AND TRAINING COMMAND	COST INDEX 0.91

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	299	5123	2785	57	14748	0	2365	9866	2649	37,892
END FY 2012	221	4950	3037	120	14800	0	2200	10000	3000	38,328

7. INVENTORY DATA ($000)	
a. Total Acreage: 9,572	
b. Inventory Total as of : (30 Sep 07)	3,066,461
c. Authorization Not Yet in Inventory:	13,200
d. Authorization Requested in this Program:	75,515
e. Authorization Included in the Following Program: (FY 2010)	138,663
f. Planned in Next Three Years Program:	457,502
g. Remaining Deficiency:	136,800
h. Grand Total:	3,888,141

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
721-311	BMT Recruit Dormitory	20,109	SM	75,515	Design Build	
		Total		75,515		

9a. Future Projects:	Included in the Following Program: (FY2010)			
171-621	BMT Satellite Classrooms/Dining Fac	8,078	SM	32,000
730-835	Security Forces Ops Center, Phase 1	3,948	SM	9,970
721-311	Replace BMT Facilities	35,000	SM	93,169
171-145	Hand Gun Training at BMT - Addition	651	SM	3,524
		Total		138,663

9b. Future Projects:	Typical Planned Next Three Years:			
721-311	Replace BMT Facilities	52,000	SM	174,492
721-311	Replace BMT Facilities	52,000	SM	177,825
721-311	Replace BMT Facilities	35,000	SM	105,185
		Total		457,502

9c. Real Property Maintenance Backlog This Installation: ($M)	159

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

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

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1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LACKLAND AIR FORCE BASE, TEXAS	BMT RECRUIT DORMITORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-311	MPLS083737R1	75,515

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				54,365
RECRUIT DORMITORY, 1248 PN	SM	19,900	2,246	(44,699)
MTI ADMINISTRATIVE SPACE	SM	1,225	2,160	(2,646)
OPEN TRNG/FORMATION AREA	SM	3,282	1,710	(5,612)
ANTITERRORISM/FORCE PROTECTION	LS			(475)
SDD & EP ACT 2005	SM	21,125	44	(933)
SUPPORTING FACILITIES				14,578
DEMO (14 BLDGS)	SM	24,954	150	(3,743)
SPECIAL DRILLED PIER FOUNDATION	LS			(1,800)
SITE IMPROVEMENTS	LS			(1,875)
UTILITIES	LS			(4,386)
PAVEMENTS	LS			(2,590)
COMMUNICATIONS	LS			(185)
SUBTOTAL				68,943
CONTINGENCY (5.0%)				3,447
TOTAL CONTRACT COST				72,390
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				4,126
TOTAL REQUEST				76,516
TOTAL REQUEST (ROUNDED)				75,515
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(2,695)

10. Description of Proposed Construction: Construction includes a multi-story facility consisting of a drilled pier foundation, concrete floor slabs, structural steel frame, masonry walls, standing seam metal roof, and an elevator. Areas include administrative support, open-bay dormitories, central latrines, drill pads, physical training areas, and storage. Provides all necessary support and restores all areas disturbed by construction. Complies with DoD force protection requirements as per the unified facilities criteria. Demolishes 14 buildings totaling 24,954 SM (268,602 SF).

Air Conditioning: 450 Tons Grade Mix: E1-E4 1248

11. Requirement: 169000 SM Adequate: 0 SM Substandard: 133162 SM

PROJECT: Construct Recruit Dormitory (Current Mission)

REQUIREMENT: A major Air Force objective is to provide recruits with facilities conducive to their proper housing, dining, and training. Properly sized, sited, designed, and furnished facilities are essential to successfully train future Air Force enlisted personnel. To support current accession rates, a total of 8 RH&Ts are required to accomplish the Basic Military Training (BMT) mission at Lackland AFB. This project provides the first Recruit Housing and Training (RH&T) dormitory building in this program. This RH&T facility will house a Basic Military Training Squadron including dormitory and administrative space. This project is designed to accomdate 1248 recruits; 48 recruits per flight, 24 flights per squadron with 4 reserve bed spaces per flight in order to address surges, gender separation and injured recruits. This project will also construct new drill pads, running tracks,

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LACKLAND AIR FORCE BASE, TEXAS	BMT RECRUIT DORMITORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-311	MPLS083737R1	75,515

exercise areas, war skills training areas, and pavilions for training weapons cleaning, storage, and latrines. One companion project will also be part of the first phase of the RH&T Facilities Replacement Plan:Dining/Classroom Facility (MPLS083737S1)

CURRENT SITUATION: Existing RH&T facilities, originally constructed in the 1960's and 1970's, were designed to provide housing, dining, classrooms, and other training space in one facility in order to develop teamwork, discipline, and Espirit de corps among the recruits. These facilities are outdated and are inadequate to support current and planned accessions of Air Force Active Duty, Reserve, and Air National Guard personnel considering future force structure and strength. Due to deterioration, age, and exceeding their useful live, the RH&Ts require significant O&M capital to keep them operational -- an estimated annual average of $2.1M per RH&T ($16.8M for today's 8 RH&Ts). BMT has difficulty accommodating summer recruiting surges while accomplishing maintenance, repair, and renovation projects of the aging, inadequate, and substandard RH&Ts. During surge and overhaul periods, as many as 65 recruits per flight are housed in facilities designed for 50 recruits per flight. This further stresses infrastructure systems and accelerates deterioration. The mechanical, electrical, and lighting systems and interior finishes are at the end of their useful lives and require replacement. The food preparation, serving areas, and laundry area layouts are functionally inefficient and need to be centralized to improve efficiency and accommodate new equipment.

IMPACT IF NOT PROVIDED: Without quality BMT programs and adequate facilities, the Air Force will have difficulty training and retaining new recruits. Facilities will continue to age and will require increasingly more capital to keep them operational. During surge periods, or when existing RH&Ts are being repaired, maintained, or overhauled, flight sizes will increase and recruits will continue to live in space with less than the minimum standard square footage per recruit.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". An Economic Analysis was prepared comparing the alternatives of new construction; renovation of existing RH&T dormitory buildingsi and status quo. Based on the net present value and benefits of prospective alternatives, new construction was found to have the best overall ratio of life cycle cost vs. benefit. Furthermore, the Economic Analysis indicates that constructing new RH&T facilities within the next 10 years will avoid an anticipated major investment in maintenance and repair that is projected for years 2008 - 2040. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Lt Col Ardyce Clements, DSN 473-2977. BMT Recruit Dormitory: 24,412 SM = 262,768 SF.

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

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS	4. PROJECT TITLE BMT RECRUIT DORMITORY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
85796	721-311	MPLS083737R1	75,515

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 3,776

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 APR

(6) Construction Completion 11 APR

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

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
WALL LOCKERS & FURNISHINGS	3400	2009	2,507
ADPE	3400	2009	188

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
HILL AIR FORCE BASE UTAH	AIR FORCE MATERIEL COMMAND:	COST INDEX 1.03

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	898	5854	12336							19,088
END FY 2012	898	5854	12336							19,088

7. INVENTORY DATA ($000)

Total Acreage:	6,973	
Inventory Total as of : (30 Sep 07)		270,070
Authorization Not Yet in Inventory:		186,400
Authorization Requested in this Program:		36,000
Authorization Included in the Following Program:	(FY 2010)	47,506
Planned in Next Three Years Program:		46,900
Remaining Deficiency:		1,177,800
Grand Total:		1,764,676

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-152	F-22 Heavy Maint Facility and Composite Back Shop	9,780	SM	36,000	Design	Build
		Total		36,000		

9a. Future Projects: Included in the Following Program: (FY2010)

211-154	F-22 Radar Cross Section Testing	4,629	SM	21,050
116-665	F-22 T-10 Engine Test Cell	4,000	SM	2,456
442-264	Munitions Storage Igloos	1,158	SM	7,600
730-142	Fire Crash Rescue Station	3,900	SM	16,400
		Total		47,506

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

214-425	Consolidated Transportation Facility	5,648	SM	16,500
442-758	Consolidated OO-ALC Warehouse	18,600	SM	25,000
730-142	3 Bay Fire Station	720	SM	5,400
		Total		46,900

9c. Real Propery Maintenance Backlog This Installation: ($M) 142

10. Mission or Major Functions: Hill Air Force Base is home to many operational and support missions with Ogden Air Logisitics Center (OO-ALC) serving as host organization. The center provides world wide engineering and logistics management for the F-16 Fighting Falcon, A-10 Thunderbolt II, Minuteman III intercontinental ballistic missile. The base performs depot maintenance for F-16, C-130, and F-22 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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	F-22 HEAVY MAINTENANCE FACILITY AND COMPOSITE BACK SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-152	KRSM043029	36,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				28,930
ADMINISTRATION	SM	1,050	2,750	(2,888)
AIRCRAFT MAINTENANCE SHOP	SM	1,083	2,683	(2,906)
AIRCRAFT PRODUCTION AREA	SM	1,807	4,158	(7,514)
AIRCRAFT MAINTENANCE DOCKS	SM	5,840	2,548	(14,880)
ANTI-TERRORISM / FORCE PROTECTION	SM	9,780	26	(254)
SDD & EP ACT 2005	SM	9,780	50	(489)
SUPPORTING FACILITIES				3,999
UTILITIES	LS			(650)
PAVEMENTS	SM	93,642	30	(2,809)
FUEL/DEFUEL & PURGE PAD	SM	1,110	108	(120)
SITE IMPROVEMENTS	LS			(170)
COMMUNICATION SUPPORT	LS			(250)
SUBTOTAL				32,929
CONTINGENCY (5.0%)				1,646
TOTAL CONTRACT COST				34,576
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,971
TOTAL REQUEST				36,547
TOTAL REQUEST (ROUNDED)				36,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(22,000)

10. Description of Proposed Construction: Construct a seven-dock medium bay fighter aircraft maintenance hangar with an aircraft component production area and administrative support core. Proposed facility is to have concrete foundations, floor slab, structural steel frame, insulated walls and roof. Project includes a detached steel reinforced concrete fuel/de-fuel & purge pad able to accommodate two full size F-22 fighter aircraft side by side. Comply with DoD Force Protection requirements as per the Unified Facilities Criteria.

Air Conditioning: 60 Tons

11. Requirement: 9780 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct an F-22 heavy facility and composite back shop. (New Mission)

REQUIREMENT: A hangar facility is needed to accommodate the maintenance, modification, remanufacturing, and replacement of component parts for the new fleet of F-22 fighter aircraft which will begin arriving at Hill AFB in 2007 to undergo Depot Repair or Modification (DRM). The proposed facility will provide space for specialized composite fabrication, and aerosystems component replacement unique to the F-22 fighter aircraft. The facility is to comply with DoD Force Protection requirements as per the Unified Facilities Criteria.

CURRENT SITUATION: The only existing aircraft maintenance shop at Hill AFB capable of fabricating and repairing composite aircraft components is overcrowded and will not be able to support current workloads, while at the same time, accommodate the projected increase in workload due to the arrival of seven F-22 aircraft in 2007.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	F-22 HEAVY MAINTENANCE FACILITY AND COMPOSITE BACK SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-152	KRSM043029	36,000

The lack of space problem is compounded by the fact that composite aircraft component fabrication processes must be separated from all other aircraft component fabrication processes because of the metal shavings produced with conventional component fabrication. If these shavings find their way into composite aircraft components, the low observable radar quality of an F-22 aircraft is ruined. Beyond 2007, more and more F-22 aircraft will be arriving at Hill AFB for DRM each year, so that by 2013 the average annual workload is projected to be 64 aircraft. Thus, in order to efficiently maintain a high level of F-22 system availability, a heavy maintenance hangar with composite aircraft component fabrication capability is urgently needed.

IMPACT IF NOT PROVIDED: Without the proposed facility Hill AFB will lack the necessary resources to meet the demand for advanced composite repair, manufacturing, and modification; and will be forced to attempt to meet its contractual obligations using inadequate facilities. Costs for modifying and maintaining the F-22 will increase. The risk of contaminating low observable composites with shavings from metal composites will pose an unreasonable hazard. There will not be adequate facilities provided in time to complete all modifications for the F-22. This will force the Air Force to contract the needed DRM work with the manufacturer at a higher cost and may exceed the 50/50 rule mandate by Congress at significantly higher cost to the taxpayers.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." No other option could meet the mission requirements; therefore, no economic alalysis was needed or performed. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Col. Harry Briesmaster (801) 777-7505 Administration: 1,050 SM = 11,297 SF; Aircraft Maintenance Shop: 1,083 SF = 11,660 SF; Aircraft Production Area: 1,807 SM = 19,450 SF; Aircraft Maintenance Docks: 5,840 SM = 62,838 SF.

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HILL AIR FORCE BASE, UTAH	F-22 HEAVY MAINTENANCE FACILITY AND COMPOSITE BACK SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27138	211-152	KRSM043029	36,000

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 1,800

(4) Construction Contract Award 08 DEC

(5) Construction Start 09 FEB

(6) Construction Completion 10 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
EQUIPMENTS	3080	2009	22,000

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST
MCCHORD AIR FORCE BASE	AIR MOBILITY COMMAND	COST INDEX
WASHINGTON		1.06

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	960	3226	2740	450	2909	0	78	1680	84	12,127
END FY 2013	847	2763	2739	439	2819	0	78	1680	84	11,449

7. INVENTORY DATA ($000)

Total Acreage:	1,611	
Inventory Total as of : (30 Sep 07)		388,669
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		5,500
Authorization Included in the Following Program:	(FY 2010)	0
Planned in Next Three Years Program:		31,783
Remaining Deficiency:		80,000
Grand Total:		505,952

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
171-212	C-17 ADAL Flight Simulator	800		5,500	Jul-07	Sep-08
			TOTAL	5,500		

9a. Future Projects: Included in the Following Program: (FY2010)
None

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

736-773	Collocated Chapel/Family Support Center	3,980	SM	12,028
742-674	Physical Fitness Center	8,753	SM	19,755
		Total		31,783

9c. Real Propery Maintenance Backlog This Installation: ($M) 112

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 Material Command engineering installation group; an Air Force Reserve airlift wing with one C-130 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

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1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCCHORD AIR FORCE BASE, WASHINGTON	C-17 ADAL FLIGHT SIMULATOR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	PQWY103000	5,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				2,959
C-17 FLIGHT SIMULATOR ADDITION	SM	800	3,611	(2,889)
ANTITERRORISM/FORCE PROTECTION	LS			(12)
SDD & EP ACT 2005	SM	800	72	(58)
SUPPORTING FACILITIES				1,955
UTILITIES	LS			(102)
PAVEMENTS	LS			(215)
SITE IMPROVEMENTS	LS			(76)
COMMUNICATIONS	LS			(160)
DEMOLITION	LS			(5)
EXISTING FACILITY INTEGRATION	LS			(200)
ROAD IMPROVEMENT	LS			(25)
RELOCATE FIRE HYDRANT	EA	1	7,000	(7)
SPECIAL FOUNDATIONS	LS			(350)
FIRE ALARM SYSTEM PANELS	LS			(100)
HVAC REPLACEMENT	LS			(715)
SUBTOTAL				4,914
CONTINGENCY (5.0%)				246
TOTAL CONTRACT COST				5,159
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				294
TOTAL REQUEST				5,453
TOTAL REQUEST (ROUNDED)				5,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(18,500.0)

10. Description of Proposed Construction: Construction of new 800 SM high-bay addition to existing C-17 flight simulator training facility. Project includes precast concrete foundation and slab floors, exterior finish and roof to match exiting, structural seismic measures, fire detection/alarm systems, communications support for voice and data systems, fire suppression sprinkler systems, pavements with curbs and gutters, sidewalks, loading dock, and exterior lighting. Alterations include fire alarm panels, HVAC replacement, road improvement, and fire hydrant relocation. Necessary utility support and exterior site improvements to include vehicle parking, access roads, and area landscaping. Comply with DoD force protection requirements per unified facilities criteria.
Air Conditioning: 19 Tons

11. Requirement: 5137 SM Adequate: 4337 SM Substandard: 0 SM

PROJECT: Add/Alter C-17 flight simulator facility. (New Mission)

REQUIREMENT: An additional simulator bay is required to accommodate a fourth six-degree of freedom (6-DOF) motion flight simulator and associated loadmaster trainer

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON	4. PROJECT TITLE C-17 ADAL FLIGHT SIMULATOR	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	PQWY103000	5,500

for the C-17 aircrew training program. This project adds a fourth C-17 simulator bay to the existing three-bay C-17 simulator training facility. These devices provide initial training, qualification, proficiency, and effective mission procedures training. The additional trainer is essential to provide hazardous/emergency training procedures that otherwise may not be provided. The new facility shall provide adequate space for operational computers, briefing rooms, component and facility storage, classroom, loadmaster station trainer, and uninterrupted power supply (UPS). Facility must be securable to the Secret level and conform to the security architecture of the existing facility. This facility must also meet requirements of AFOSH91-118 for new construction, and comply with C-17 ATS Program Office physical security guidelines. Force Protection measures will be incorporated into the design and construction of the facility in accordance with USAF Installation Force Protection Guide.

CURRENT SITUATION: C-17 aircrew training is currently provided by three C-17 6-DOF simulators and one loadmaster trainer. Crew training requirements have now exceeded the training capacity of the existing three C-17 devices, driving the need for an additional simulator with associated secure facilities.

IMPACT IF NOT PROVIDED: Training requirements at McChord AFB will not be achieved due to the continued transfer of aircrew training from the aircraft to the simulator. Existing training requirements have exceeded the training capabilities of the three simulators, based on a 16 hour/day, 347 day/year training schedule. The additional simulator will be procured in the FY08 budget with projected delivery in January 2010. Failure to have this project complete at time of actual equipment receipt will result in a storage fee of $25K/month storage fee for each simulator on contract plus an additional $250K to surge the existing devices.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements", and conforms to requirements established in the Boeing C-17-800104, Attachment 14, dated 16 May 2006. A preliminary analysis of reasonable options has been prepared comparing the reasonable alternatives of construction of a new simulator facility, construction of a new addition to the current facility, and status quo. Based on net present values and benefits of the respective alternatives, it indicates new construction is the only option that will meet operation requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col Mark H. McCloud, (253) 982-2294. C-17 ADAL Flight Simulator: 800 SM = 8611 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON	4. PROJECT TITLE C-17 ADAL FLIGHT SIMULATOR	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
41130	171-212	PQWY103000	5,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	19-JUL-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	35%
* (d) Date 35% Designed	28-SEP-07
(e) Date Design Complete	18-SEP-08
(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	413
(e) In-house	83
(4) Construction Contract Award	**09 FEB**
(5) Construction Start	**09 APR**
(6) Construction Completion	**10 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)
C-17 SIMULATOR	3010	2008	18,500

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST
FE WARREN AIR BASE	AIR FORCE SPACE	COST INDEX
WYOMING	COMMAND	1.01

6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 Sep 07	521	2711	533	0	0	0	158	884	201	5,008
END FY 2012	521	2711	533	0	0	0	158	884	201	5,008

7. INVENTORY DATA ($000)

Total Acreage:	6,070	
Inventory Total as of : (30 Sep 07)		336,749
Authorization Not Yet in Inventory:		25,600
Authorization Requested in this Program:		8,600
Authorization Included in the Following Program:	(FY 2010)	8,180
Planned in Next Three Years Program:		10,255
Remaining Deficiency:		105,469
Grand Total:		494,853

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
721-312	Renovate Historic Dormitory	3,022	SM	8,600	Apr-07	Sep-08
		Total		8,600		

9a. Future Projects: Included in the Following Program: (FY2010)

212-216	ADAL Missile Services Complex	1,438	SM	8,180
		Total		8,180

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

851-147	ADAL Primary Missile Routes	4,876	LM	3,555
731-142	Consolidated Fire Station	2,504	SM	6,700
		Total		10,255

9c. Real Propery Maintenance Backlog This Installation: ($M) 96

10. Mission or Major Functions: F. E. Warren Air Force Base is the oldest continuously active military installation within the Air Force. It's home to the 90th Space Wing and Headquarters, 20th Air Force, of Air Force Space Command. Since 1986, Warren missile fields have maintained 150 Minuteman III missiles and the Air Force's only 50 Peacekeeper missiles defending America with the world's most powerful combat ready ICBM 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION FRANCIS E WARREN AIR FORCE BASE, WYOMING	4. PROJECT TITLE RENOVATE HISTORIC DORMITORY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	721-312	GHLN063010	8,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				6,839
INTERIOR DORMITORY RENOVATION/RECONFIGURATION	SM	3,022	1,635	(4,941)
ANTITERRORISM/FORCE PROTECTION	SM	3,022	20	(60)
EXTERIOR DORMITORY REPAIR/MAINTENANCE	SM	3,022	564	(1,704)
SDD & EP ACT 05	LS			(133)
SUPPORTING FACILITIES				925
UTILITIES	LS			(300)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS			(100)
ANTI-TERRORISM/FORCE PROTECTION MEASURES	LS			(188)
COMMUNICATIONS	LS			(137)
SUBTOTAL				7,763
CONTINGENCY (5.0%)				388
TOTAL CONTRACT COST				8,152
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				465
TOTAL REQUEST				8,616
TOTAL REQUEST (ROUNDED)				8,600

10. Description of Proposed Construction: Project includes all structural, mechanical, electrical and architectural work for the interior upgrade and exterior upkeep of one historic brick dormitory. Included are new finishes and fixtures, upgraded communications systems, asbestos and lead-based paint removal. The room configuration will change from the current "2 + 2" rooms to the new standard 4-person module. Exterior work will include roof replacement, courtyard/exterior enhancement, brick tuckpointing, painting, window and historic porch repair. Comply with DoD force protection requirements as per unified facilities criteria and state Historic Presevation Office.

Air Conditioning: 110 Tons Grade Mix: E1-E4 56

11. Requirement: 609 RM Adequate: 78 RM Substandard: 696 RM

PROJECT: Renovate Historic Dormitory 236. (Current Mission)

REQUIREMENT: This project is required to implement the CSAF goal to recapitalized all Tier 1 dormitories - those in the worst condition as recorded in the Air Force Dormitory Master Plan. Provide Air Force personnel with quarters that meet Air Force standards. Standards of adequacy include carpeting, good lighting and decore, telephone and TV hookups in sleeping rooms and lounge areas, bathrooms shared by not more than two airmen, adequate lounges, laundry facilities and storage rooms. A facility exterior that is sound, well kept, and that instills a sense of pride in one's living quarters.

CURRENT SITUATION: Dormitory 236 is a building listed on the National Register of Historic Places. It is a two story, red brick, structurally sound facility

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION FRANCIS E WARREN AIR FORCE BASE, WYOMING	4. PROJECT TITLE RENOVATE HISTORIC DORMITORY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	721-312	GHLN063010	8,600

constructed in 1910 as open-bay US Army Cavalry barracks. In the mid-1980s the barracks was converted from open bay to the room-bath-room dormitory configuration housing two airmen per room. This facility is no longer in compliance with Air Force dormitory configuration guidelines which require dormitories be in the "Dorms-for-Airmen (4-person module)" configuration; nor does it conform to current quality of life standards. There also exists a relatively large operations and maintenance (O&M) burden due to aged heating, plumbing and electrical systems. In-house as well as contracted personnel are called upon to repair leaking potable water piping, heat system elements, and exterior structural building components including brick tuckpointing and roofing. This dormitory has an existing fire protection system, but it is no longer in compliance with current fire codes and will be replaced.

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 of the enlisted force.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. Due to historic preservation restrictions, renovation is the only option that will meet operational requirements. A certificate of exception has been prepared. This project meets the criteria/scope specified within AFH 32-1084 "Facility Requirements." Fire protection system modifications within this project will be in accordance with standards established in Military Handbook 1008B, "Fire Protection for Facilities." Base Civil Engineer: Lt Col Jonathan D. Webb, Commercial (307) 773-3600. Renovate dormitory: 3,022 SM = 32,526 SF. FY2006 Unaccompanied Housing RPM Conducted: $15.8K; FY2007 Unaccompanied Housing RPM Conducted: $17.8K. Future Unaccompanied Housing RPM Required (estimated): FY2008: $22K; FY2009: $28K; FY2010: $32K.

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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
FRANCIS E WARREN AIR FORCE BASE, WYOMING	RENOVATE HISTORIC DORMITORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35996	721-312	GHLN063010	8,600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	10-APR-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	15%
* (d) Date 35% Designed	10-SEP-07
(e) Date Design Complete	30-SEP-08
(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	08 DEC
(5) Construction Start	09 FEB
(6) Construction Completion	10 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:
N/A

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CLASSIFIED	SPECIAL EVALUATION PROGRAM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27248	111-111	PAYZ090001	891

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				891
SPECIAL EVALUATION PROGRAM	LS			(891)
SUPPORTING FACILITIES				0
SUBTOTAL				891
TOTAL CONTRACT COST				891
TOTAL REQUEST				891
TOTAL REQUEST (ROUNDED)				891

10. Description of Proposed Construction:

11. Requirement: LS Adequate: LS Substandard: LS

PROJECT: As required.

REQUIREMENT: Special access required.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WORLD-WIDE UNSPECIFIED	UAS FIELD TRAINING UNIT OPERATIONS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	141-753	ACC093030	15,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FTU OPERATIONS COMPLEX				9,559
SQUADRON OPERATIONS	SM	1,487	2,653	(3,945)
FTU CLASSROOMS	SM	929	2,539	(2,359)
SIMULATOR FACILITY	SM	929	2,891	(2,686)
GROUND CONTROL STATION SHELTER	SM	186	1,574	(293)
SDD & EPACT 05	SM	3,531	53	(185)
ANTITERRORISM/FORCE PROTECTION	SM	3,531	26	(92)
SUPPORTING FACILITIES				4,406
UTILITIES	LS			(1,150)
PAVEMENTS	LS			(376)
SITE IMPROVEMENTS	LS			(580)
COMMUNICATIONS	LS			(1,350)
GENERATORS & SWITCHGEAR	LS			(950)
SUBTOTAL				13,965
CONTINGENCY (5.0%)				698
TOTAL CONTRACT COST				14,664
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				836
TOTAL REQUEST				15,500
TOTAL REQUEST (ROUNDED)				15,500

10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, masonry walls, metal roof systems, fire detection/suppression systems, utilities, pavements, site improvements, communications support, standby power to ensure continuous flying operations, and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per Unified Facility Criteria.

Air Conditioning: 200 Tons

11. Requirement: 3531 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct Unmanned Aerial Systems (UAS) Formal Training Unit (FTU) Operations Complex. (New Mission)

REQUIREMENT: This project supports the AF objective of increasing UAS Combat Air Patrol (CAP) rates in support of the Global War on Terrorism. Adequate facilities are necessary to establish a second FTU to support increased student pilot and sensor operator throughput to achieve the increased CAP goal. The Squadron Operations facility is required to support mission planning, flight operations, mission briefing and debriefing, flight scheduling, and operations personnel. The Flight Simulator and FTU Classroom facilities are required to support the technical training, academic instruction, and eventual certification of UAS-assigned personnel in a controlled environment. The Ground Control Station (GCS) Shelter is required for deployable

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WORLD-WIDE UNSPECIFIED	UAS FIELD TRAINING UNIT OPERATIONS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	141-753	ACC093030	15,500

systems.

CURRENT SITUATION: The beddown location does not have excess facilities that can be reconfigured to support the operations of the UAS FTU mission.

IMPACT IF NOT PROVIDED: Failure to provide facilities to support this new mission beddown will significantly impact UAS FTU operational capabilities in the near-term and, ultimately, the capacity to provide Combatant Commander's increased CAP rates in their Areas of Responsibility (AOR) in the long-term. Adequate facilities will not be available to perform critical flying operations; this will force inefficient workarounds that will degrade mission accomplishment.

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 accomplished. It indicates there is only one option that will meet operational requirements; new construction. Because of this, an economic analysis was not performed. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. POC: Mr. Robert Hailey, DSN 574-3528. (Squadron Operations: 1,487 SM = 16,000 SF; FTU Classrooms: 929 SM = 10,000 SF; Simulator: 929 SM = 10,000 SF; GCS Shelter: 186 SM = 2,000 SF).

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WORLD-WIDE UNSPECIFIED	UAS FIELD TRAINING UNIT OPERATIONS COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	141-753	ACC093030	15,500

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	17-OCT-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	35%
* (d) Date 35% Designed	02-JAN-08
(e) Date Design Complete	30-SEP-08
(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	930
(b) All Other Design Costs	465
(c) Total	1,395
(d) Contract	1,240
(e) In-house	155

(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAY
(6) Construction Completion	10 SEP

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

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WORLD-WIDE UNSPECIFIED	COMMON BATTLEFIELD AIRMAN TRAINING COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
84731	179-371	QSEU053023	15,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				10,818
LATRINES/SHOWERS/LAUNDRY	SM	416	592	(246)
WATER SURVIVAL TRAINING FACILITY	SM	1,950	2,152	(4,196)
CLASSROOM FACILITIES	SM	1,394	1,076	(1,500)
ARMORY	SM	223	1,938	(432)
PHYSICAL FITNESS/COMBAT SKILLS TNG FAC	SM	348	1,076	(374)
RECREATION FACILITY	SM	348	1,076	(374)
DINING FACILITY	SM	409	2,276	(931)
BILLETING FACILITIES (CMU)	SM	1,665	480	(799)
COVERED PT/ASSEMBLY AREA	SM	929	450	(418)
OBSTACLE CRS & RAPPELLING TOWER/WALL	LS			(150)
COMMAND & CONTROL & INSTRUCTOR OFFICE FAC	SM	697	1,076	(750)
STORAGE FACILITIES (CLIMATE CNTL FOR MRE)	SM	348	1,076	(374)
STORAGE CONTAINER PADS	SM	134	161	(22)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
SDD & EP ACT 2005	LS			(200)
SUPPORTING FACILITIES				2,692
UTILITIES	LS			(1,261)
PAVEMENTS	LS			(440)
SITE IMPROVEMENTS	LS			(795)
PARKING	SP	80	950	(76)
COMMUNICATIONS	LS			(120)
SUBTOTAL				13,510
CONTINGENCY (5.0%)				675
TOTAL CONTRACT COST				14,185
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				809
TOTAL REQUEST				14,994
TOTAL REQUEST (ROUNDED)				15,000

10. Description of Proposed Construction: Common Battlefield Airman Training (CBAT). The CBAT complex consists of a Cantonment Area and Land Training Areas. Work includes reinforced concrete foundation and floor slabs, CMU block or metal framed/metal sided walls, HVAC, communications, fire suppression, fencing, utilities, parking, access roads and site improvements. Facility space includes: armory, classrooms, offices, recreation and fitness facilities, billeting, dining, storage, latrines, covered bleacher seating, an enclosed water survival training facility, and all other support necessary to provide a complete and usable training complex. Comply with DoD force protection requirements per unified facilities criteria.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WORLD-WIDE UNSPECIFIED	COMMON BATTLEFIELD AIRMAN TRAINING COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
84731	179-371	QSEU053023	15,000

Air Conditioning: 150 Tons

11. Requirement: 8861 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct a Common Battlefield Airman Training Complex (New Mission)

REQUIREMENT: A USAF and AETC initiated Common Battlefield Airman Training (CBAT) complex that provides common ground combat and communication skills training for the following primary skills: Pararescue, Combat Rescue Officer, Combat Control Team, Special Tactics Officers, Combat Weather, Combat Weather Officers, and Tactical Air Control. Focus of the school will be physical training (to include water events), small team tactics, and fundamental knowledge refreshers (math physics) to prepare trainees for primary AFSC tech schools. CBAT will provide basic ground combat skills training in a deployed, field environment. Small arms weapons qualification, weapons employment, land navigation, self-aid and buddy care with CPR, communications, field craft skills and physical training. Training will be conducted for 25 days, 10 hours per day, 5 days per week. The scope of work includes new facilities to accommodate increased class loads and extended curriculum for Survival, Evasion, Resistance, and Escape (SERE) instructors.

CURRENT SITUATION: Facilities do not currently exist to support CBAT. The SECAF directed the Close Air Support/Battlefield Airman (CAS/BA) integrated planning team (IPT) to investigate the feasibility of combined the battlefield training. The basic CBAT skills and a single course of action were selected at the CBAT Training Planning Team (TPT) held 14-15 Sep 04. The 37 TRG developed a strawman Course Training Standard (CTS) which was further refined by the BA IPT 8-9 Nov 04.

IMPACT IF NOT PROVIDED: Without this project Airmen will continue to deploy to high-risk environments with insufficient training needed to survive and operate effectively in those conditions.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". All known alternative options including conversion, leasing and status quo 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. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Point of Contact: Mr. Paul Hughes, DSN 240-7523. Common Battlefield Airman Training Complex: 8,861 SM = 95,379 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WORLD-WIDE UNSPECIFIED	COMMON BATTLEFIELD AIRMAN TRAINING COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
84731	179-371	QSEU053023	15,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started	02-APR-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	50%
* (d) Date 35% Designed	12-SEP-07
(e) Date Design Complete	17-SEP-08
(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	900
(b) All Other Design Costs	450
(c) Total	1,350
(d) Contract	1,125
(e) In-house	225

(4) Construction Contract Award	09 FEB
(5) Construction Start	09 APR
(6) Construction Completion	10 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 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WORLD-WIDE UNSPECIFIED	UAS FIELD TRAINING UNIT MAINTENANCE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	211-175	ACC093035	22,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
FTU MAINTENANCE COMPLEX				17,416
MAINTENANCE HANGAR	SM	2,788	2,491	(6,945)
MAINTENANCE SHOP	SM	2,230	2,062	(4,598)
AIRCRAFT MAINTENANCE UNIT	SM	1,115	2,256	(2,515)
AIRCRAFT PARTS STORE	SM	929	1,252	(1,163)
MUNITIONS SHOP	SM	558	3,020	(1,685)
SDD & EPACT 05	SM	7,620	45	(339)
ANTITERRORISM/FORCE PROTECTION	SM	7,620	22	(170)
SUPPORTING FACILITIES				2,408
UTILITIES	LS			(720)
PAVEMENTS	LS			(538)
SITE IMPROVEMENTS	LS			(400)
COMMUNICATIONS	LS			(750)
SUBTOTAL				19,824
CONTINGENCY (5.0%)				991
TOTAL CONTRACT COST				20,815
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,186
TOTAL REQUEST				22,002
TOTAL REQUEST (ROUNDED)				22,000

10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, masonry walls, metal roof systems, fire detection/suppression, utilities, pavements, site improvements, communications support, and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per Unified Facility Criteria.

Air Conditioning: 200 Tons

11. Requirement: 7620 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct Unmanned Aerial Systems (UAS) Formal Training Unit (FTU) Maintenance Complex. (New Mission)

REQUIREMENT: This project supports the AF objective of increasing UAS Combat Air Patrol (CAP) rates in support of the Global War on Terrorism. Adequate facilities are necessary to establish a second FTU to achieve the increased CAP goal. The Maintenance Hangar is required for performing routine sortie generation actions on assembled air vehicles. The Maintenance Shop is required to provide traditional backshop (Wheel & tire, Avionics, Engine, Structural, Armaments, etc.) capability. The Aircraft Maintenance Unit is required to support personnel assigned to sortie generation tasks, launch & recovery activities, and weather monitoring. The Aircraft Parts Store is required for casket, parts, and consummables storage. The Munitions Shop is required for maintenance and storage activities to support munitions live-

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WORLD-WIDE UNSPECIFIED	UAS FIELD TRAINING UNIT MAINTENANCE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	211-175	ACC093035	22,000

drops as part of the FTU instructional course.

CURRENT SITUATION: The beddown location does not have excess facilities that can be reconfigured to support the maintenance activities associated with the UAS FTU mission.

IMPACT IF NOT PROVIDED: Failure to provide facilities to support this new mission beddown will significantly impact UAS FTU sortie generation in the near-term and, ultimately, the capacity to provide Combatant Commander's increased CAP rates in their AORs in the long-term. Adequate facilities will not be available to perform critical maintenance activities; this will force inefficient workarounds that will degrade mission accomplishment.

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 accomplished. It indicates there is only one option that will meet operational requirements; new construction. Because of this, an economic analysis was not performed. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. POC: Mr. Robert Hailey, DSN 574-3528. (Maintenance Hangar: 2,788 SM = 30,000 SF; Maintenance Shop: 2,230 SM = 24,000 SF; Aircraft Maintenance Unit: 1,115 SM = 12,000 SF; Aircraft Parts Store: 929 SM = 10,000 SF; Munitions Shop: 558 SM = 6,000 SF).

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
WORLD-WIDE UNSPECIFIED	UAS FIELD TRAINING UNIT MAINTENANCE COMPLEX

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
35219	211-175	ACC093035	22,000

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	17-OCT-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	35%
* (d) Date 35% Designed	02-JAN-08
(e) Date Design Complete	30-SEP-08
(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	1,320
(b) All Other Design Costs	660
(c) Total	1,980
(d) Contract	1,760
(e) In-house	220
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAY
(6) Construction Completion	10 SEP

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

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

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1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
BAGRAM AB, AFGHANISTAN	AIR COMBAT COMMAND (CENTAF)	1.5

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	EN	CIV	OFF	ENL	CIV	TOTAL
AS OF	CLASSIFIED DATA									Note 1
END FY 2009	CLASSIFIED DATA									

7. INVENTORY DATA ($000)

a. Total Acreage:		n/a
b. Inventory Total as of :		n/a
c. Authorization Not Yet in Inventory:		n/a
d. Authorization Requested in this Program:		57,200
e. Authorization Included in the Following Program:	(FY 2010)	0
f. Planned in Next Three Years Program:		0
g. Remaining Deficiency:		TBD
h. Grand Total:		57,200

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
211-111	C-130 Maintenance Hangar	5,505	SM	27,400	DESIGN	BUILD
452-258	Cargo Handling Area Expansion	30,500	SM	8,800	DESIGN	BUILD
113-321	Refueler Ramp	51,550	SM	21,000	DESIGN	BUILD
		Total		57,200		

9a. Future Projects: Included in the Following Program: (FY2010)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000
	None		

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

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000
	None		

9c. Real Property Maintenance Backlog This Installation: n/a

10. Mission or Major Functions: 455 Air Expeditionary Wing - a multi-purpose wing that supports a range of missions to include: fighter, airlift, refueling, intelligence, surveillance and reconnaissance; and an Expeditionary RED HORSE Group.

NOTE 1: Personnel numbers at a contingency location are classified, therefore not provided.

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BAGRAM AB, AFGHANISTAN	REFUELER RAMP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	ATUH090102	21,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				15,759
APRON	SM	51,550	167	(8,584)
REFUELING HYDRANTS	EA	6	1,195,829	(7,175)
SUPPORTING FACILITIES				2,723
ELECTRICAL	LM	4,038	189	(763)
WATER DISTRIBUTION	LM	762	110	(84)
STORM DRAINAGE	LM	153	809	(124)
SITE PREPARATION	SM	51,550	34	(1,753)
SUBTOTAL				18,482
CONTINGENCY (5.5%)				1,017
TOTAL CONTRACT COST				19,499
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)				1,501
TOTAL REQUEST				21,000
TOTAL REQUEST (ROUNDED)				21,000

10. Description of Proposed Construction: Construct a 18 inch thick reinforced concrete ramp with 6 hydrant refueling points. Tie ramp into existing taxiways to support medium load aircraft. Includes site preparation, base course, utilities, airfield markings, pumps, valves, fittings, and all other necessary support. This project will comply with DoD and CENTCOM antiterrorism/force protection requirements per Unified Facility Criteria.

11. Requirement: 51550 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct a Refueler Ramp. (Current Mission)

REQUIREMENT: As Senior Airfield Authority (SAA) at Bagram AB, CENTAF has a responsibility to provide airfield projects needed to support logistics and combat operations. Bagram AB requires a parking apron with associated hydrant refueling system to support tanker and strategic airlift operations. This project will provide the Combined Forces Air Component Commander (CFACC) the capability to do aerial refueling to key aircraft supporting the Global War on Terrorism.

CURRENT SITUATION: Bagram AB is designated as a main base to support the CFACC's requirements for the continuing War on Terrorism. Currently, there is not adequate aircraft parking space for refueler and strategic airlift aircraft. Therefore, a hydrant fueling system does not exist. These facilities are required to support the need for refueler and strategic airlift capabilities in the region.

IMPACT IF NOT PROVIDED: Bagram AB will not have the required parking space or hydrant refueling capability required to operate a refueling mission. Without a hydrant refueling system, rapid refueling of aircraft to meet critical combat turnaround requirements will not be possible. This will reduce the CFACC's capability to provide the required refueler sorties from Bagram AB to meet the daily Air Tasking Order requirements for refueling fighter, command and control, and airlift aircraft to continue the War on Terrorism.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An analysis of reasonable options for accomplishing this project (status quo, new construction) was completed. It indicates there is only one option that will meet operational requirements; new

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BAGRAM AB, AFGHANISTAN	REFUELER RAMP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	ATUH090102	21,000

construction. Civil Engineer: Maj John P. Baker; DSN 318-431-4410: (Maintenance Hangar: 51,550 SM = 554,880 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BAGRAM AB, AFGHANISTAN	REFUELER RAMP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	ATUH090102	21,000

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 1,050

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 APR

(6) Construction Completion 10 APR

(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	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BAGRAM AB, AFGHANISTAN	C-130 MAINTENANCE HANGAR

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	211-111	ATUH090100	27,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MAINTENANCE HANGAR				21,029
HANGAR	SM	5,505	3,708	(20,413)
SDD & EPACT 05	SM	5,505	77	(424)
ANTITERRORISM/FORCE PROTECTION	SM	5,505	35	(193)
SUPPORTING FACILITIES				3,086
PAVEMENT - W/ DRAINAGE & MARKINGS	SM	7,028	235	(1,652)
SITE UTILITIES	LS			(316)
SITE PREPARATION	SM	12,533	27	(338)
FIRE PROTECTION	EA	1	779,580	(780)
SUBTOTAL				24,115
CONTINGENCY (5.5%)				1,326
TOTAL CONTRACT COST				25,441
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)				1,959
TOTAL REQUEST				27,400
TOTAL REQUEST (ROUNDED)				27,400

10. Description of Proposed Construction: Steel framed hangar with reinforced concrete foundation and floor slab, metal walls, standing seam metal roof, fire detection/protection, utilities, site improvements, pavements, communications support, and all other necessary support. This project will comply with DoD and CENTCOM antiterrorism/force protection requirements per Unified Facility Criteria.

11. Requirement: 5505 SM Adequate: 0 SM Substandard: SM

PROJECT: Construct a C-130 Maintenance Hangar. (Current Mission)

REQUIREMENT: A C-130 aircraft maintenance hangar is needed for enclosed general and fuel cell maintenance, repair, and inspection activities which require protection from the environment. Generally includes space for tools, back shops and administration functions.

CURRENT SITUATION: Hangar space does not exist on Bagram for the accomplishment of C-130 aircraft maintenance. As Senior Airfield Authority (SAA) at Bagram AB, CENTAF has a responsibility to provide airfield projects needed to support logistic and combat operations. The high operational tempo and harsh climates result in increased maintenance requirements for aircraft assigned to Bagram AB where there are no maintenance hangars for C-130s. Maintenance on C-130 aircraft assigned to the base is currently conducted on open and unprotected ramp space, exposing both the aircraft and maintenance personnel to the harsh extremes of the severe climate; negatively affecting the effectiveness and efficiency of repair work. As a result, maintenance activities are degraded and hampered. Additionally, certain inspections and heavy maintenance activities cannot be performed at Bagram AB, and aircraft must be flown to Ramstein AB Germany, which could be a significant problem if there is already damage to the aircraft. This results in a degraded mission capable rate.

IMPACT IF NOT PROVIDED: Personnel and aircraft will continue to be exposed to the harsh climate during maintenance activities, and inspections and heavy maintenance repairs will continue to be accomplished at other locations. Aircraft maintenance will be done at reduced efficiency and the aircraft will suffer increased

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE C-130 MAINTENANCE HANGAR	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 211-111	7. PROJECT NUMBER ATUH090100	8. PROJECT COST ($000) 27,400

deterioration. The resulting lost flying time and reduced mission capable rates will negatively impact the CFACC's ability to provide logistic and combat support throughout the theater.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An analysis of reasonable options for accomplishing this project (status quo, new construction) was completed. It indicates there is only one option that will meet operational requirements; new construction. Therefore an economic analysis was not completed. Sustainable principles will be integrated into design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Civil Engineer: Maj John P. Baker; DSN 318-431-4410: (Maintenance Hangar: 5,505 SM = 59,256 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN	4. PROJECT TITLE C-130 MAINTENANCE HANGAR	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	211-111	ATUH090100	27,400

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 1,370

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 APR

(6) Construction Completion 10 APR

(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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BAGRAM AB, AFGHANISTAN	CARGO HANDLING AREA EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	452-258	ATUH090101	8,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				6,168
PAVEMENT	SM	30,500	192	(5,855)
FENCING	LM	820	218	(179)
LIGHTING	LM	820	164	(135)
SUPPORTING FACILITIES				1,576
UTILITIES	LS			(110)
SITE IMPROVEMENTS	SM	30,500	46	(1,400)
SITE WEIGH STATION	EA	1	65,927	(66)
SUBTOTAL				7,744
CONTINGENCY (5.5%)				426
TOTAL CONTRACT COST				8,170
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)				629
TOTAL REQUEST				8,799
TOTAL REQUEST (ROUNDED)				8,800

10. Description of Proposed Construction: Construct 30,500 SM cargo handling area to include 16 inch thick concrete pavement, fencing, lighting, and utilities. Pavement should be capable of supporting heavy equipment used to transport pallets and make sharp turns without damaging pavement surface. This project will comply with DoD and CENTCOM antiterrorism/force protection requirements per Unified Facility Criteria.

11. Requirement: 40000 SM Adequate: 9500 SM Substandard: SM

PROJECT: Construct Cargo Handling Area Expansion. (Current Mission)

REQUIREMENT: Aerial Ports of Debarkation (APOD) require adequate cargo handling space for receiving, sorting, accumulating and processing conveyable and non-conveyable inbound and outbound freight. The processing area must provide sufficient space to prepare, package, process and temporarily store freight of all kinds, including classified and hazardous, compatible and non-compatible.

CURRENT SITUATION: As Senior Airfield Authority (SAA) at Bagram AB, CENTAF has a responsibility to provide airfield projects needed to support combat and airlift operations. The existing cargo handling area is 9,500 SM. It is too small to handle the current volume of cargo flowing through Bagram Air Base and is significantly undersized to process the increased volume of an Aerial Port of Debarkation (APOD). A significant amount of cargo flowing to remote locations of Afghanistan is delivered to Bagram by air to be processed, transloaded to ground transportation and delivered to sites unreachable by air. Current cargo handling space is inadequate to efficiently stage the volume of cargo that is required to transit Bagram AB as an APOD. As large commercial carriers start to deliver to Bagram, additional space is required because the number of pallets on one sortie will more than double the number currently delivered by a typical C-17 sortie.

IMPACT IF NOT PROVIDED: Bagram AB will not be able to handle the volume of cargo required to be an APOD. This critical region will not receive the required material and supplies to effectively fight the Global War on Terrorism.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An analysis of reasonable options for

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BAGRAM AB, AFGHANISTAN	CARGO HANDLING AREA EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	452-258	ATUH090101	8,800

accomplishing this project (status quo, new construction) was completed. It indicates there is only one option that will meet operational requirements; new construction. Civil Engineer: Maj John P. Baker; DSN 318-431-4410:
(Cargo Handling Area: 30,500 SM = 328,180 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BAGRAM AB, AFGHANISTAN	CARGO HANDLING AREA EXPANSION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	452-258	ATUH090101	8,800

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 440

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 APR

(6) Construction Completion 10 APR

(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 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
ANDERSEN AIR BASE GUAM	PACIFIC AIR FORCES	2.64

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 07	221	2,002	734	0	0	0	161	866	832	4,816
END FY 2012	219	1,977	587	0	0	0	161	866	832	4,642

7. INVENTORY DATA ($000)

Total Acreage:	15,891	
Inventory Total as of : (30 Sep 07)		4,160,476
Authorization Not Yet in Inventory:		53,020
Authorization Requested in this Program:		5,200
Authorization Included in the Following Program:	(FY 2010)	105,549
Planned in Next Three Years Program:		402,727
Remaining Deficiency:		95,892
Grand Total:		4,822,864

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE		COST $,000	DESIGN START	STATUS CMPL
217-742	Combat Communications Maint Facility	524	SM	5,200	Design Build	
		Total		5,200		

9a. Future Projects: Included in the Following Program: (FY2010)

various	ISR/STF Beddown Facilities	1	LS	81,694
214-425	NW Field Combat Supt Veh Maint Fac	2,308	SM	15,097
610-127	Commando Warrior Admin Faciltiy	498	SM	5,200
872-247	ATFP Base Perimeter Fence/Road, Ph 1	10,700	LM	3,558
		Total		105,549

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

various	ISR/STF Beddown Facilities	1	LS	266,636
422-264	AEF FOL Mxns Storage Igloos, Ph 2 (5 ea)	892	SM	5,034
422-264	AEF FOL Mxns Storage Igloos, Ph 3 (10 ea)	2,162	SM	10,247
various	ISR/STF Beddown Facilities	1	LS	94,985
219-944	NW Field Expeditionary Combat Spt Fac	3,940	SM	6,497
851-147	Realign Arc Light Blvd	22,000	SM	4,800
422-264	AEF FOL Mxns Storage Igloos, Ph 4 (13 ea)	2,162	SM	14,528
		Total		402,727

9c. Real Property Maintenance Backlog This Installation: ($M) 125

10. Mission or Major Functions: An air base wing hosting Headquarters Thirteenth Air Force, an Air Mobility Command air mobility squadron, Navy Helicopter Support Squadron Five (MH60), as well as a maintenance group and an contingency response 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDERSEN AIR FORCE BASE, GUAM	COMBAT COMMUNICATIONS MAINTENANCE FACILITY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	217-742	SAKW335780	5,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				2,920
COMBAT COMMUNICATIONS MAINTENANCE FACILITY	SM	524	5,420	(2,840)
SDD & EP ACT 05	LS			(57)
ANTI-TERRORISM/FORCE PROTECTION	SM	524	44	(23)
SUPPORTING FACILITIES				1,716
PAVEMENTS	LS			(411)
UTILITIES	LS			(327)
SITE IMPROVEMENTS	LS			(560)
COMMUNICATIONS	LS			(168)
ENVIRONMENTAL REMEDIATION	LS			(250)
SUBTOTAL				4,636
CONTINGENCY (5.0%)				232
TOTAL CONTRACT COST				4,868
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				302
TOTAL REQUEST				5,170
TOTAL REQUEST (ROUNDED)				5,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(200)

10. Description of Proposed Construction: Construct single-story facility with reinforced concrete foundation, walls and roof. Includes command section, offices, briefing/training rooms, repair shops, administration area, storage areas and mechanical spaces, fire suppression/detection, environmental controls, utilities, pavements, associated site improvements, and all necessary supporting facilities for a complete and usable facility. This project will comply with DoD anti-terrorism/force protection requirements per unified facilities criteria. The facility must be able to withstand 190 mile-per-hour typhoon winds and Seismic Zone 4 earthquake criteria.

Air Conditioning: 18 Tons

11. Requirement: 524 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Combat Communications Maintenance Facility. (Current Mission)

REQUIREMENT: Project is required to support beddown of a combat communications squadron in support of the re-basing initiative within the PACAF theater to meet U.S. and Government of Korea goals outlined in the United States Forces Korea (USFK) Strategic Policy Initiative (SPI) directives to reduce U.S. forces on the Korean Peninsula. This mission is relocating to a location where no unit of this type exists and no existing facilities are available for use. This project is critical to maintain rapid deployment ready status for the combat communications squadron forward positioned at Andersen AFB's NW Field.

CURRENT SITUATION: There are no facilities at Northwest Field that can meet this

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE COMBAT COMMUNICATIONS MAINTENANCE FACILITY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 217-742	7. PROJECT NUMBER SAKW335780	8. PROJECT COST ($000) 5,200

mission requirement. This facility will provide the only available communications operations and computer maintenance capability to support the forward deployed combat communications squadron. This project is late to need based on a PACAF-established Initial Operating Capability in FY09. Temporary facility solutions are being developed to meet the facility shortfall.

IMPACT IF NOT PROVIDED: The combat communication squadron will be unable to meet mobility requirements to rapidly establish and sustain tactical communications command and control support for contingency operations and other critical classified/unclassified data/voice networking requirements.

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 has (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. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col Peter A. Ridilla, (671) 366-7101. Combat Communications Maintenance Building: 524 SM = 5,638 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM	4. PROJECT TITLE COMBAT COMMUNICATIONS MAINTENANCE FACILITY	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	217-742	SAKW335780	5,200

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 260

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 MAR

(6) Construction Completion 10 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 APPR(	FISCAL YEAR APPROPRIATED OR REQUESTED	COST ($000)
FURNISHINGS	3400	8	75
COMMUNICATIONS EQUIPMENT	3400	8	125

1. COMPONENT AIR FORCE	**FY 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
MANAS AB, KYRGYZSTAN	AIR COMBAT COMMAND (CENTAF)	1.5

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	EN	CIV	OFF	ENL	CIV	TOTAL
AS OF	CLASSIFIED DATA									Note 1
END FY 2009	CLASSIFIED DATA									

7. INVENTORY DATA ($000)

a. Total Acreage:		n/a
b. Inventory Total as of : (30 Sep 07)		n/a
c. Authorization Not Yet in Inventory:		n/a
d. Authorization Requested in this Program:		6,000
e. Authorization Included in the Following Program:	(FY 2010)	0
f. Planned in Next Three Years Program:		0
g. Remaining Deficiency:		TBD
h. Grand Total:		6,000

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2009)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
116-662	Hot Cargo Pad	34,200 SM	6,000	DESIGN	BUILD
		Total	6,000		

9a. Future Projects: Included in the Following Program: (FY2010)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000
	None		

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

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000
	None		

9c. Real Property Maintenance Backlog This Installation: n/a

10. Mission or Major Functions: 376 Air Expeditionary Wing - a multi-purpose wing that supports a range of missions to include: fighter, airlift, refueling, intelligence, surveillance and reconnaissance; and an Expeditionary RED HORSE Group.

NOTE 1: Personnel numbers at a contingency location are classified, therefore not provided.

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

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MANAS AB, KYRGYZSTAN	HOT CARGO PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	116-662	BRVN090100	6,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				3,289
PAVEMENT	SM	34,200	96	(3,289)
SUPPORTING FACILITIES				2,057
SITE IMPROVEMENTS	SM	34,200	29	(992)
FENCING	LM	2,000	327	(654)
LIGHTING	LM	392	1,049	(411)
SUBTOTAL				5,346
CONTINGENCY (5.5%)				294
TOTAL CONTRACT COST				5,640
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				367
TOTAL REQUEST				6,006
TOTAL REQUEST (ROUNDED)				6,000

10. Description of Proposed Construction: Construct 18 inch thick concrete hazardous cargo pad. Pad must be capable of supporting the full weight and turning radius of C-5 aircraft. Includes drainage, fencing, airfield lighting and markings. Pad must be sited away from all inhabited facilities to meet safety requirements. This project will comply with DoD and CENTCOM antiterrorism/force protection requirements per Unified Facility Criteria.

11. Requirement: 34200 SM Adequate: 0 SM Substandard: SM

PROJECT: Construct Hot Cargo Pad. (Current Mission)

REQUIREMENT: There is a critical need to provide an adequately sized Hot Cargo Pad at Manas AB, Kyrgyzstan. A paved area with tie-downs and mooring points is required to load and unload explosives and other hazardous cargo from aircraft. Adequate pad space and a minimum 381-meter separation distance to inhabited facilities is required to ensure safe transport of hazardous cargo IAW AFMAN 91-201. Pad will be sited to allow loading, unloading, and transportation of hazardous cargo without placing friendly assets at risk.

CURRENT SITUATION: There is no adequately designed or configured hazardous cargo pad on the airfield for the handling of hazardous materials. Missions carrying dangerous cargo are forced to load and unload on the east end of taxiway Alpha. During hot cargo operations, the necessary quantity distance arc to ensure safety of personnel and facilities extends beyond the airfield lighting vault and the civilian runway. Therefore, military and civilians transiting Bishkek International Airport are placed at risk every time hot cargo operations are conducted at Manas. There are no other locations on the airfield that can be used for hazardous cargo that will provide for the safe distances needed. The current operations also require hazardous cargo to be transported to the ammunition storage point via the airfield perimeter road which exposes aircraft, personnel, and equipment to additional hazards.

IMPACT IF NOT PROVIDED: Without a properly sited hazardous cargo pad, personnel will remain at risk during munitions movements into and out of Manas AB. An accident in the current hazardous cargo location could result in serious injury or death to personnel. Personnel, aircraft, and resources will continue to operate under considerable risk due to lengthy transportation requirements.

1. COMPONENT	FY 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MANAS AB, KYRGYZSTAN	HOT CARGO PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	116-662	BRVN090100	6,000

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An analysis of reasonable options for accomplishing this project (status quo, new construction) was completed. It indicates there is only one option that will meet operational requirements; new construction. Civil Engineer: Lt Col Gregory Ottoman; DSN 318-441-5100: (Hot Cargo Pad: 34,200 SM = 368,126 SF)

JOINT USE CERTIFICATION: This facility will be designed and built for joint use operations.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MANAS AB, KYRGYZSTAN	HOT CARGO PAD

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	116-662	BRVN090100	6,000

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 300

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 APR

(6) Construction Completion 10 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 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE
3. INSTALLATION AND LOCATION AL UDEID AB, QATAR	4. COMMAND: AIR COMBAT COMMAND (CENTAF)	5. AREA CONST COST INDEX 1.24

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	EN	CIV	OFF	ENL	CIV	TOTAL
AS OF	CLASSIFIED DATA									Note 1
END FY 2009	CLASSIFIED DATA									

7. INVENTORY DATA ($000)

a. Total Acreage:	Not US Owned Installation	Note 2
b. Inventory Total as of : (30 Sep 07)		n/a
c. Authorization Not Yet in Inventory:		n/a
d. Authorization Requested in this Program:		59,638
e. Authorization Included in the Following Program:	(FY 2010)	
f. Planned in Next Three Years Program:		
g. Remaining Deficiency:		TBD
h. Grand Total:		59,638

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2009)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
113-321	CAS Parking Apron	127,400 SM	59,638	DESIGN	BUILD
		Total	59,638		

9a. Future Projects: Included in the Following Program: (FY2010)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000
	None		

9b. Future Projects: Typical Planned Next Three Years:
None

9c. Real Property Maintenance Backlog This Installation: n/a

10. Mission or Major Functions: 379 Air Expeditionary Wing - a multi-purpose wing that supports a range of missions to include: fighter, airlift, refueling, intelligence, surveillance and reconnaissance; Combined Air Operations Center; the Aerial Port Control Center, Expeditionary Air Mobility Squadron and an Expeditionary RED HORSE Group.
NOTE 1: Personnel numbers at a contingency location are classified, therefore not provided.
NOTE 2: Not a US owned installation therefore we do not have real property data.

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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AL UDEID AB, QATAR	CAS PARKING APRON

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	ALUA073004	59,638

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				52,632
PARKING APRON	SM	102,250	250	(25,563)
ACCESS TAXIWAY	SM	25,150	257	(6,464)
APRON LIGHTING	LS			(326)
BLAST DEFLECTORS	LM	600	2,100	(1,260)
EDGE LIGHTING	LS			(500)
HYDRANT REFUELING SYSTEM	LS			(8,520)
FUEL STORAGE TANK, 10000BBL	EA	2	5,000,000	(10,000)
SUPPORTING FACILITIES				700
ELECTRIC SERVICE	LS			(300)
SITE IMPROVEMENTS & DEMOLITION	LS			(200)
PAVEMENTS	LS			(200)
SUBTOTAL				53,332
CONTINGENCY (5.0%)				2,667
TOTAL CONTRACT COST				55,998
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				3,640
TOTAL REQUEST				59,638
TOTAL REQUEST (ROUNDED)				59,638

10. Description of Proposed Construction: Construct a 18 inch thick concrete aircraft parking apron capable of supporting eight (8) munitions loaded bomber aircraft with associated access taxiways, taxilane space, blast deflectors, pavement markings, ramp and edge lighting systems, hydrant fueling capability (including two (2) 10,000 barrel fuel storage tanks, and all other necessary support. This project will comply with DoD and CENTCOM antiterrorism/force protection requirements per Unified Facility Criteria.

11. Requirement: 127400 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct a Close Air Support (CAS) Parking Apron. (Current Mission)

REQUIREMENT: A parking apron is required to park eight (8) munitions loaded B-52 aircraft in support of Operation Enduring Freedom. A taxiway is included for aircraft accessibility to the runway from the parking apron. Associated airfield lighting is included as well as fuel storage and type III hydrant fueling capabilities.

CURRENT SITUATION: Al Udeid Air Base has no dedicated close air support parking apron. Currently, combat loaded aircraft are parked on the same apron as combat support aircraft, thus creating explosive hazards. There are over 100 aircraft at Al Udeid. However, the ramp space for dedicated US use is only capable of supporting 43 aircraft. At the onset of Operation Enduring Freedom, the U.S. received approval to temporarily use two host nation ramps with the understanding that the ramps must be returned to the host nation at a later date to support movement of the Qatar Emiri Air Forces to Al Udeid. The main ramp area for US forces was designed for strategic and tactical cargo aircraft, and refueler aircraft. The pavements in the refueler aircraft area are not stressed to support fully loaded bomber aircraft, nor is the hydrant system configured to support

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AL UDEID AB, QATAR	CAS PARKING APRON

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	ALUA073004	59,638

refueling of B-52 aircraft. Also, the parking of other aircraft and the use of maintenance and support facilities are negatively impacted when loaded bombers are parked on this ramp because of the required weapons quantity-distance (QD) safety stand-off criteria. The ramp is at the furthest point away from the munitions storage area causing increased risk during munitions movements to supply bomber aircraft.

IMPACT IF NOT PROVIDED: Parking munitions laden bombers on the existing apron eliminates 30 critical C-130 parking spots due to the Quantity Distance safety stand-off requirements. Bombers will continue to be parked in an area close to facilities not associated with their mission and put personnel and aircraft at risk. Munitions will have to be transported a greater distance increasing the risks associated with munitions movement operations. Refueler apron parking spaces will be ineffectively utilized preventing other airframes from efficiently using the hydrant refueling system, resulting in additional manhours and workload to refuel aircraft via truck.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An analysis of reasonable options for accomplishing this project (status quo, new construction) was completed. It indicates there is only one option that will meet operational requirements; new construction. Civil Engineer: LtCol Michael Saunders, DSN 318-437-2152: (Parking Apron: 102,250 SM = 1,100,210 SF; Taxiway: 25,150 SM = 270,614 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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
AL UDEID AB, QATAR	CAS PARKING APRON

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
27596	113-321	ALUA073004	59,638

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 2,982

(4) Construction Contract Award 09 FEB

(5) Construction Start 09 APR

(6) Construction Completion 10 APR

(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 2009 MILITARY CONSTRUCTION PROGRAM**	2. DATE 30-Sep-06
3. INSTALLATION AND LOCATION RAF LAKENHEATH UNITED KINGDOM	4. COMMAND: UNITED STATES AIR FORCES, EUROPE	5. AREA CONST COST INDEX 1.2

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 07	539	4287	972	0	0	0	0	0	17	5,815
END FY 2012	533	4196	976	0	0	0	0	0	116	5,821

7. INVENTORY DATA ($000)

a. Total Acreage:	2,509	
b. Inventory Total as of : (30 Sep 07)		1,559,982
c. Authorization Not Yet in Inventory:		5,074
d. Authorization Requested in this Program:		7,400
e. Authorization Included in the Following Program:	(FY 2010)	0
f. Planned in Next Three Years Program:		18,324
g. Remaining Deficiency:		123,800
h. Grand Total:		1,714,580

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
730-832	Large Vehicle Inspection Station	900 SM	7,400	Apr-07	Sep-08
		Total	7,400		

9a. Future Projects: Included in the Following Program: (FY2010)

None

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

171-618	Field Training Detachment Complex	4009 SM	18,324
		Total	18,324

9c. Real Propery Maintenance Backlog This Installation: ($M) 113

10. 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 Environmental:	0

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1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF LAKENHEATH, UNITED KINGDOM	LARGE VEHICLE INSPECTION STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	730-832	MSET023002	7,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				2,649
LARGE VEHICLE SEARCH FACILITIES	SM	900	2,700	(2,430)
ANTITERRORISM / FORCE PROTECTION	SM	900	161	(145)
INTERIOR COMMUNICATIONS	SM	900	28	(25)
SDD & EP ACT 2005	SM	900	54	(49)
SUPPORTING FACILITIES				4,230
PAVEMENTS	LS			(2,296)
UTILITIES	LS			(500)
SITE IMPROVEMENTS	LS			(1,000)
COMMUNICATIONS	LS			(164)
PASSIVE / FORCE PROTECTION MEASURES	LS			(270)
SUBTOTAL				6,879
CONTINGENCY (5.0%)				344
TOTAL CONTRACT COST				7,223
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				181
TOTAL REQUEST				7,403
TOTAL REQUEST (ROUNDED)				7,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(238.0)

10. Description of Proposed Construction: Construct a concrete, steel and CMU large vehicle inspection station with inspection pits, circulation roads, vehicle parking areas, gatehouse, large vehicle inspection station (LVIS) and support building, an overwatch tower, modification to the existing public road for safe access into the facility, site improvements, storm water drainage, and fire suppression. This project will comply with DoD and UK antiterrorism/force protection requirements per unified facilities criteria.

11. Requirement: 900 SM Adequate: 0 SM Substandard: 0 SM

PROJECT: Construct Large Vehicle Security Inspection Station (LVIS). (Current Mission)

REQUIREMENT: An adequately sized and configured large vehicle inspection station is required for security inspections of all large vehicles in accordance with AT/FP measures and standards. The scope of work will comprise an entry control facility with circulation roads, vehicle parking areas, a gatehouse, an LVIS with support building and an overwatch. Modifications to the existing public road for safe entry into the facility will also be addressed. The LVIS will include inspection pits for two large vehicles (tractor trailers up to 45 tons) and administrative space supporting the inspection operations attached to the LVIS. In addition, the new LVIS must accommodate the new Vehicle Explosion Detection System (VEDS) and Under Vehicle Surveillance System (UVSS). The project will include for fire suppression system and storm water drainage, as well as all required AT/FP measures for this type of project.

1. COMPONENT AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM		4. PROJECT TITLE LARGE VEHICLE INSPECTION STATION	
5. PROGRAM ELEMENT 28047	6. CATEGORY CODE 730-832	7. PROJECT NUMBER MSET023002	8. PROJECT COST ($000) 7,400

CURRENT SITUATION: There are two main gates at RAF Lakenheath. Gate 1 is on the southeast side of the base and accepts all contractor vehicles, delivery vehicles and the majority of inbound personally owned vehicular (POV) traffic. Gate 2 is on the southwest side of the base and is primarily used by commuters to the west and for access to and from RAF Mildenhall. All visitors and contractors must use Gate 1 where they park, meet escorts, obtain passes and submit to vehicle checks. School buses must also pass through the inspection area. A recent traffic count recorded 61 vans, 37 small trucks, and 16 large vehicles entering Gate 1 in a 60-minute peak period. Processing more than four large vehicles at a time causes gridlock and traffic queues extend into the main access road. These queues create delays and, more importantly, leave military and civilian commuters in a vulnerable position on the public road. In addition, security forces personnel are exposed to and can be observed openly while they conduct vehicle inspections. Temporary workarounds have been installed to control traffic and provide minimal shelter, but Security Forces personnel continue to perform their duties while exposed to the elements. Additionally, vehicle search and holding areas standoff distance from on-base facilities is inadequate. 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.

IMPACT IF NOT PROVIDED: Failure to construct this facility will hinder the installation's ability to detect and deter the terrorist threat, reduce the effectiveness of existing resources, and possibly allow a terrorist device access to the installation. Required security inspection and surge capabilities IAW AT/FP standards do not currently exist, and will not in the future. These circumstances will severely hamper the Security Forces ability to protect RAF Lakenheath, with its primary military and human resources, against sabotage and terrorist attacks.

ADDITIONAL: This project is not eligible for NATO funding based on NATO Approved Criteria & Standards. There is no space criteria established in AFH 32-1084; however, the layout and scope of the project has been determined with the local Security Forces Personnel, a study for the most suitable location, and the Air Force Installation Entry Control Facilities Design Guide. A preliminary analysis of reasonable options was done and indicates only one option meets operational requirements. Therefore a full economic analysis was not accomplished and a certificate of exception has been completed. This project is required to implement Force protection measures IAW USAF Installation Force Protection Guide. The supporting costs exceeds 25% of the primary costs due to the amount of access roads and vehicle parking required to construct an operational LVIS. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. BASE CIVIL ENGINEER: Lt Col Brian Murphy, 011-44-1638-52-2100. Large Vehicle Inspection Station: 900 SM = 9,684 SF.

FOREIGN CURRENCY: FCF Budget Rate Used: POUND .593

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 2009 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
RAF LAKENHEATH, UNITED KINGDOM	LARGE VEHICLE INSPECTION STATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
28047	730-832	MSET023002	7,400

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:	
(a) Date Design Started	19-APR-07
(b) Parametric Cost Estimates used to develop costs	YES
* (c) Percent Complete as of 01 JAN 2008	15%
* (d) Date 35% Designed	28-SEP-07
(e) Date Design Complete	01-SEP-08
(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	444
(b) All Other Design Costs	222
(c) Total	666
(d) Contract	592
(e) In-house	74
(4) Construction Contract Award	09 FEB
(5) Construction Start	09 MAR
(6) Construction Completion	10 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)
OFFICE FURNITURE	3400	2009	200
COMMUNICATIONS COSTS NON ADD	3400	2009	38

1. COMPONENT AIR FORCE	**FY 2009 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 07										
END FY 2012										

7. INVENTORY DATA ($000)

Total Acreage:		
Inventory Total as of : (30 Sep 07)		0
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		70,494
Authorization Included in the Following Program:	(FY2010)	76,624
Planned in Next Three Year Program:		273,000
Remaining Deficiency:		0
Grand Total:		420,118

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
010-211	Planning and Design		70,494		
		Total	70,494		

9a. FUTURE PROJECTS: Included in the Following Program: (FY2010)

010-211	Planning and Design		76,624
		Total	76,624

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

100-001	Classified Planning and Design		30,000
010-211	Planning and Design		78,000
010-211	Planning and Design		80,000
010-211	Planning and Design		85,000
		Total	273,000

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

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 2009 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	PAYZ090002	70,494

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				70,494
PLANNING AND DESIGN	LS			(70,494)
SUPPORTING FACILITIES				0
SUBTOTAL				70,494
TOTAL CONTRACT COST				70,494
TOTAL REQUEST				70,494
TOTAL REQUEST (ROUNDED)				70,494

10. Description of Proposed Construction:

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 FY10 Military Construction Program, initiate design of facilities in the FY11 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 AIR FORCE	**FY 2009 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 07										
END FY 2012										

7. INVENTORY DATA ($000)

Total Acreage:		
Inventory Total as of : (30 Sep 07)		0
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		15,000
Authorization Included in the Following Program:	(FY2010)	15,000
Planned in Next Three Year Program:		76,000
Remaining Deficiency:		0
Grand Total:		106,000

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2009)

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: (FY2010)

010-211	Unspecified Minor Construction		24,000
		Total	24,000

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

010-211	Unspecified Minor Construction		24,000
010-211	Unspecified Minor Construction		26,000
010-211	Unspecified Minor Construction		26,000
		Total	76,000

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

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 AIR FORCE	FY 2009 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE

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	PAYZ090003	15,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES				15,000
UNSPECIFIED MINOR CONSTRUCTION	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:

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 $1,500,000 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 FY09. Included would be projects to support new 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 FY09 Military Construction Program funds. This will also allow the Air Force to take advantage of new Congressional language, such as that authorizing construction of child development centers.