



Department of the Air Force

Military Construction Program

**Fiscal Year (FY) 2010
Budget Estimates**

**Justification Data Submitted to Congress
May 2009**

NOTE: An addendum dated November 16, 2009 to reflect terms of the U.S.-Colombia Defense Cooperation Agreement, as signed on 30 October, 2009, was submitted to Congress on November 16, 2009

**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010
TABLE OF CONTENTS**

<u>General</u>	PAGE NUMBER
Table of Contents.....	1
Program Summary.....	3
<u>Military Construction</u>	
State Summary (List of Projects).....	5
New Mission / Current Mission Exhibit	11
Installation Index.....	15
Special Program Considerations	
Statements	17
Congressional Reporting Requirements.....	18
Research and Development	20
Third Party Financing	21
Appropriation Language	23
Projects Inside the United States.....	25
Projects Outside the United States.....	211
Unspecified Minor Construction.....	263
Planning and Design.....	265
<u>Overseas Contingency Operations</u>	
Table of Content	269
Index By Priority	271
Program Summary	273
Military Construction Projects	
DD Form 1391s	275

**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010
TABLE OF CONTENTS**

<u>Family Housing</u>	PAGE NUMBER
Narrative Summary.....	345
Index	361
Summary	363
Legislative Language.....	365
New Construction	367
Post Acquisition Construction.....	369
Advanced Planning & Design.....	377
O&M Summary	379
Operations.....	389
Utilities.....	399
Maintenance.....	403
Maintenance & Repair Over \$20K	407
GFOQ O&M Costs.....	409
Reimbursable Program.....	413
Leasing.....	415
Housing Privatization.....	423
Foreign Currency Exchange Data	435

Department of the Air Force
Military Construction and Military Family Housing
Program Summary
Fiscal Year 2010

	Appropriation Request <u>(\$000s)</u>	Authorization Request <u>(\$000s)</u>
Military Construction	(Sec 2301)	(Sec 2304)
Inside the United States	644,169	644,169
Outside the United States	400,902	400,902
Planning and Design (10 USC 2807)	82,363	82,363
Unspecified Minor Construction (10 USC 2805)	<u>18,000</u>	<u>18,000</u>
Total Military Construction	1,145,434	1,145,434
Military Family Housing	(Sec 2302/2303)	(Sec 2304)
New Construction	0	0
Improvements	61,787	61,787
Planning and Design	4,314	4,314
Subtotal	66,101	66,101
Operations, Utilities, and Maintenance	345,714	345,714
Leasing	103,406	103,406
Privatization	53,816	53,816
Subtotal	502,936	502,936
Total Military Family Housing	569,037	569,037
Grand Total Air Force	1,714,471	1,714,471

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DEPARTMENT OF THE AIR FORCE
INDEX
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010
(DOLLARS IN THOUSANDS)
INSIDE THE US

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	PAGE
ALASKA	Clear	Power Plant Facility	24,300	24,300	26
	Elmendorf	Red Flag Alaska Add/Alter Operations Center (TFI)	3,100	3,100	30
	Elmendorf	F-22 Weapons Load Training Facility (TFI)	12,600	12,600	33
	Clear TOTAL:		24,300	24,300	
	Elmendorf TOTAL:		15,700	15,700	
ALASKA TOTAL:		<u>40,000</u>	<u>40,000</u>		
ARIZONA	Davis-Monthan	Dormitory (144 Room)	20,000	20,000	37
	Davis-Monthan	HC - 130J Infrastructure	4,800	4,800	41
	Davis-Monthan	HC - 130J Squadron Operations Facility	8,700	8,700	44
	Davis-Monthan	HC-130J Simulator Facility	8,400	8,400	47
	Davis-Monthan TOTAL:		41,900	41,900	
ARIZONA TOTAL:		<u>41,900</u>	<u>41,900</u>		
ARKANSAS	Little Rock	C-130 Flight Simulator Addition	5,800	5,800	
	Little Rock TOTAL:		5,800	5,800	50
	ARKANSAS TOTAL:		<u>5,800</u>	<u>5,800</u>	
CALIFORNIA	Travis	KC-10 Cargo Load Training Facility	6,900	6,900	54
	Travis TOTAL:		6,900	6,900	
	Vandenberg	Child Development Center	13,000	13,000	58
	Vandenberg TOTAL:		13,000	13,000	
	CALIFORNIA TOTAL:		<u>19,900</u>	<u>19,900</u>	
COLORADO	Peterson	C-130 Squadron Operations/AMU (TFI)	5,200	5,200	62
	Peterson	National Security Space Institute	19,900	19,900	65
	Peterson TOTAL:		25,100	25,100	
	USAF Academy	Cadet Fitness Center Addition	17,500	17,500	69
	USAF Academy TOTAL:		17,500	17,500	
COLORADO TOTAL:		<u>42,600</u>	<u>42,600</u>		
DELAWARE	Dover	Consolidated Communications Facility	12,100	12,100	73
	Dover	C-5 Cargo Aircraft Maintenance Training Facility, Phase 1	5,300	5,300	76
	Dover TOTAL:		17,400	17,400	
DELAWARE TOTAL:		<u>17,400</u>	<u>17,400</u>		
FLORIDA	Eglin	Dormitory (96 Room)	11,000	11,000	80
		F-35 Duke Control Tower	3,420	3,420	83
		F-35 JP8 Flightline Fillstands	5,400	5,400	86
		F-35 POL Operations Facility	3,180	3,180	89
		F-35 JP8 West Side Bulk Fuel Tank Upgrades	960	960	92
		F-35 Live Ordinance Load Facility	9,900	9,900	95
		F-35 Aircraft Prking Apron	16,400	16,400	98
		F-35 Hydrant Refueling System, Phase 1	8,100	8,100	101
		F-35 Parallel Taxiway Ladder	1,440	1,440	104
	Eglin TOTAL:		59,800	59,800	
	Hurlburt	Refueling Vehicle Maintenance Facility	2,200	2,200	108
		Electrical Distribution Substation	8,300	8,300	111
	Hurlburt TOTAL:		10,500	10,500	
	MacDill	Dormitory (120 Room)	16,000	16,000	115
		Child Development Center	7,000	7,000	118
CENTCOM Commandant Facility		15,300	15,300	121	
MacDill TOTAL:		38,300	38,300		
FLORIDA TOTAL:		<u>108,600</u>	<u>108,600</u>		
HAWAII	Wheeler	Construct ASOC Complex	15,000	15,000	125
		Wheeter Annex TOTAL:		15,000	15,000
	HAWAII TOTAL:		<u>15,000</u>	<u>15,000</u>	

DEPARTMENT OF THE AIR FORCE
INDEX
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010
(DOLLARS IN THOUSANDS)
INSIDE THE US

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	PAGE
IDAHO	Mountain Home	Logistics Readiness Center	20,000	20,000	129
		Mountain Home TOTAL:	20,000	20,000	
		IDAHO TOTAL:	20,000	20,000	
MARYLAND	Andrews	Munitions Storage Area (TFI)	9,300	9,300	133
		Andrews TOTAL:	9,300	9,300	
		Maryland TOTAL:	9,300	9,300	
NEW MEXICO	Cannon	Consolidated Communications Facility	15,000	15,000	137
		Cannon TOTAL:	15,000	15,000	
	Holloman	F-22 Consolidated Munitions Maintenance Facility (TFI)	5,500	5,500	141
		Holloman TOTAL:	5,500	5,500	
		Kirtland	HC-130J Simulator Facility	8,700	8,700
MC-130J Simulator Facility	8,000		8,000	148	
Kirtland TOTAL:	16,700	16,700			
NEW MEXICO TOTAL:	37,200	37,200			
NORTH DAKOTA	Minot	MHU-196 Munitions Trailer Storage Facility	1,500	1,500	152
		Missile Procedures Training Operations Facility	10,000	10,000	155
		Minot TOTAL:	11,500	11,500	
NORTH DAKOTA TOTAL:	11,500	11,500			
NEVADA	Creech	UAS AT/FP Security Upgrades (TFI)	2,700	2,700	159
		Creech TOTAL:	2,700	2,700	
		NEVADA TOTAL:	2,700	2,700	
OHIO	Wright Patterson	Conversion for Advance Power and Thermal Research Laboratory	21,000	21,000	163
		Information Technology Complex	27,000	27,000	167
		Wright Patterson TOTAL:	48,000	48,000	
OHIO TOTAL:	48,000	48,000			
OKLAHOMA	Altus	Repair Taxiway	20,300	20,300	171
		Altus TOTAL:	20,300	20,300	
	Tinker	Building 3001 Hangar Door	13,037	13,037	175
Tinker TOTAL:	13,037	13,037			
OKLAHOMA TOTAL:	33,337	33,337			
TEXAS	Dyess	C-130J Alter Hangar	4,500	4,500	178
		Dyess TOTAL:	4,500	4,500	
	Goodfellow	Student Dormitory (100 Room)	14,000	14,000	182
		Joint Intel Technical Training Facility, Phase I (TFI)	18,400	18,400	185
	Goodfellow TOTAL:	32,400	32,400		
Lackland	BMT Recruit Dormitory, Phase 2	77,000	77,000	189	
	BMT Satellite Classroom/Dining Facility, No. 1	32,000	32,000	192	
	Evasion, Conduct After Capture Training Facility	4,879	4,879	195	
Lackland TOTAL:	113,879	113,879			
TEXAS TOTAL:	150,779	150,779			
UTAH	Hill	F-22 Radar Cross Section Testing Facility	21,053	21,053	199
		Hill TOTAL:	21,053	21,053	
		UTAH TOTAL:	21,053	21,053	
VIRGINIA	Langley	West & LaSalle Gates Force Protection/Access	10,000	10,000	203

DEPARTMENT OF THE AIR FORCE
INDEX
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010
(DOLLARS IN THOUSANDS)
INSIDE THE US

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	PAGE
			Langley TOTAL: <u>10,000</u>	<u>10,000</u>	
			Virginia TOTAL: <u>10,000</u>	<u>10,000</u>	
WYOMING	FE Warren	Add/Alter Missile Services Complex	9,100	9,100	207
			FE Warren TOTAL: <u>9,100</u>	<u>9,100</u>	
			WYOMING TOTAL: <u>9,100</u>	<u>9,100</u>	
			INSIDE THE US TOTAL: <u>644,169</u>	<u>644,169</u>	

DEPARTMENT OF THE AIR FORCE
INDEX
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010
(DOLLARS IN THOUSANDS)
OUTSIDE THE U.S.

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	PAGE	
AFGHANISTAN	Bagram	Passenger Terminal	22,000	22,000	211	
			Bagram TOTAL	22,000	22,000	
			AFGHANISTAN TOTAL	22,000	22,000	
COLUMBIA	Palanquero	Air Base Development	46,000	46,000	215	
			Palanquero TOTAL	46,000	46,000	
			COLUMBIA TOTAL	46,000	46,000	
GERMANY	Ramstein	Contingency Response Group Compound	23,200	23,200	219	
		Construct Aerospace Ground Equipmrent maintenance Complex	11,500	11,500	223	
		Ramstein TOTAL:	34,700	34,700		
	Spangdahlem	Fitness Center	23,500	23,500	227	
			Spangdahlem TOTAL:	23,500	23,500	
			GERMANY TOTAL:	58,200	58,200	
GUAM	Andersen	NW Field Combat Support Vehicle Maintenance Facility (TFI)	15,500	15,500	231	
		NW Field AFTP Perimeter Fence and Road (TFI)	4,752	4,752	234	
		NW Field Commando Warriier Operations Facility (TFI)	4,200	4,200	237	
		Strike FOL Electrical Infrastructure (TFI)	33,750	33,750	240	
		Andersen TOTAL:	58,202	58,202		
		GUAM TOTAL:	58,202	58,202		
ITALY	Sigonella	Global Hawk Aircraft Maintenance and Operations Complex	31,300	31,300	244	
			Sigonella TOTAL:	31,300	31,300	
			ITALY TOTAL:	31,300	31,300	
OMAN	Al Musannah Al Musannah	Airlift Ramp and Fuel Facilities	69,000	69,000	248	
		WRM Compound	47,000	47,000	251	
		Al Musannah TOTAL	116,000	116,000		
OMAN TOTAL	116,000	116,000				
QATAR	Al Udeid	Blatchford-Preston Complex PH II	60,000	60,000	254	
			Al Udeid Total	60,000	60,000	
			QATAR TOTAL	60,000	60,000	
TURKEY	Incirlik	Consolidated Community Center	9,200	9,200	258	
			Incirlik TOTAL:	9,200	9,200	
			TURKEY TOTAL:	9,200	9,200	
OUTSIDE THE US TOTAL:			400,902	400,902		

DEPARTMENT OF THE AIR FORCE
INDEX
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010
(DOLLARS IN THOUSANDS)
WORLDWIDE

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	PAGE
VARIOUS LOCATIONS	Various	P-341 Unspecified Minor Construction	18,000	18,000	262
		P&D - Planning & Design	82,363	82,363	263
		VARIOUS TOTAL:	<u>100,363</u>	<u>100,363</u>	
		INSIDE THE US TOTAL:	<u>644,169</u>	<u>644,169</u>	
		OUTSIDE THE US TOTAL:	<u>400,902</u>	<u>400,902</u>	
		FY 2010 TOTAL:	<u>1,145,434</u>	<u>1,145,434</u>	

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DEFINITIONS OF NEW AND CURRENT MISSION

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

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

<u>FY10</u>	<u>APPROP</u> <u>(\$000)</u>	<u>AUTH FOR</u> <u>APPROP</u> <u>(\$000)</u>
NEW MISSION	\$211,232	\$211,232
CURRENT MISSION	\$833,839	\$833,839
PLANNING & DESIGN	\$82,363	\$82,363
MINOR CONSTRUCTION	<u>\$18,000</u>	<u>\$18,000</u>
TOTAL:	\$1,145,434	\$1,145,434

DEPARTMENT OF THE AIR FORCE
INDEX
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010
(DOLLARS IN THOUSANDS)
CURRENT MISSION/NEW MISSION BREAKOUT

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	TYPE
AFGHANISTAN	BAGRAM	Passenger Terminal	\$22,000	\$22,000	CM
ALASKA	CLEAR	Power Plant Facility	\$24,300	\$24,300	CM
ARIZONA	DAVIS-MONTHAN	Dormitory (144 RM)	\$20,000	\$20,000	CM
CALIFORNIA	VANDENBERG	Child Development Center	\$13,000	\$13,000	CM
COLOMBIA	PALANQUERO	Air Base Development	\$46,000	\$46,000	CM
COLORADO	PETERSON	National Security Space Institute	\$19,900	\$19,900	CM
COLORADO	USAF ACADEMY	Cadet Fitness Center Addition	\$17,500	\$17,500	CM
DELAWARE	DOVER	Consolidated Communications Facility	\$12,100	\$12,100	CM
FLORIDA	EGLIN	Dormitory (96 RM)	\$11,000	\$11,000	CM
FLORIDA	HURLBURT	Refueling Vehicle Maintenance Facility	\$2,200	\$2,200	CM
FLORIDA	HURLBURT	Electrical Distribution Substation	\$8,300	\$8,300	CM
FLORIDA	MACDILL	Dormitory (120 RM)	\$16,000	\$16,000	CM
FLORIDA	MACDILL	Child Development Center	\$7,000	\$7,000	CM
FLORIDA	MACDILL	SOCCENT Commandant & Cultural Engagement Group Facility	\$15,300	\$15,300	CM
GERMANY	RAMSTEIN	Contingency Response Group Compound	\$23,200	\$23,200	CM
GERMANY	RAMSTEIN	Construct Aerospace Ground Equipment Maintenance Complex	\$11,500	\$11,500	CM
GERMANY	SPANGDAHLEM	Fitness Center	\$23,500	\$23,500	CM
GUAM	ANDERSON	NW Field Combat Support Vehicle Maintenance Facility (TFI)	\$15,500	\$15,500	CM
GUAM	ANDERSON	NW Field ATFP Perimeter Fence and Road (TFI)	\$4,752	\$4,752	CM
GUAM	ANDERSON	NW Field Commando Warrior Operations Facility (TFI)	\$4,200	\$4,200	CM
GUAM	ANDERSON	Strike FOL Electrical Infrastructure (TFI)	\$33,750	\$33,750	CM
IDAHO	MOUNTAIN-HOME	Logistics Readiness Center	\$20,000	\$20,000	CM
MARYLAND	ANDREWS	Munitions Storage Area (TFI)	\$9,300	\$9,300	CM
NEW MEXICO	CANNON	Consolidated Communications Facility	\$15,000	\$15,000	CM
NORTH DAKOTA	MINOT	MHU-196 Munitions Trailer Storage Operations Facility	\$1,500	\$1,500	CM
NORTH DAKOTA	MINOT	Missile Procedures Training Operations Facility	\$10,000	\$10,000	CM
OHIO	WRIGHT PATTERSON	Conversion for Advanced Power and Thermal Research Lab	\$21,000	\$21,000	CM
OHIO	WRIGHT PATTERSON	Information Technology Complex	\$27,000	\$27,000	CM
OKLAHOMA	ALTUS	Repair Taxiways	\$20,300	\$20,300	CM
OKLAHOMA	TINKER	Building 3001 Hangar Door	\$13,037	\$13,037	CM
OMAN	AL MUSANNAH	Airlift Ramp and Fuel Facilities	\$69,000	\$69,000	CM
OMAN	AL MUSANNAH	WRM Compound	\$47,000	\$47,000	CM
QATAR	AL UDEID	Blatchford-Preston Complex PH II	\$60,000	\$60,000	CM
TEXAS	GOODFELLOW	Student Dormitory (100 RM)	\$14,000	\$14,000	CM

DEPARTMENT OF THE AIR FORCE
INDEX
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010
(DOLLARS IN THOUSANDS)
CURRENT MISSION/NEW MISSION BREAKOUT

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	TYPE
TEXAS	GOODFELLOW	Joint Intel Technical Training Facility, Phase I (TFI)	\$18,400	\$18,400	CM
TEXAS	LACKLAND	BMT Recruit Dormitory Phase 2	\$77,000	\$77,000	CM
TEXAS	LACKLAND	BMT Satellite Classroom/Dining Facility No.1	\$32,000	\$32,000	CM
TURKEY	INCIRLIK	Consolidated Community Center	\$9,200	\$9,200	CM
VIRGINIA	LANGLEY	West & LaSalle Gates Force Protection/Access	\$10,000	\$10,000	CM
WYOMING	FE WARREN	ADAL Missile Service Complex	\$9,100	\$9,100	CM
Current Mission TOTAL:			\$833,839	\$833,839	
ALASKA	Elmendorf	Red Flag Alaska Add/Alter Operations Center (TFI)	\$3,100	\$3,100	NM
ALASKA	Elmendorf	F-22 Weapons Load Training Facility (TFI)	\$12,600	\$12,600	NM
ARIZONA	Davis-Monthan	HC-130J Infrastructure	\$4,800	\$4,800	NM
ARIZONA	Davis-Monthan	HC-130J RQS Operations Facility	\$8,700	\$8,700	NM
ARIZONA	Davis-Monthan	HC-130J Simulator Facility	\$8,400	\$8,400	NM
ARKANSAS	Little Rock	C-130 Flight Simulator Addition	\$5,800	\$5,800	NM
CALIFORNIA	Travis	KC-10 Cargo Load Training Facility	\$6,900	\$6,900	NM
COLORADO	Peterson	C-130 Squadron Ops/AMU (TFI)	\$5,200	\$5,200	NM
DELAWARE	Dover	C-5 Cargo Aircraft Maintenance Training Facility, Phase 1	\$5,300	\$5,300	NM
FLORIDA	Eglin	F-35 Duke Control Tower	\$3,420	\$3,420	NM
FLORIDA	Eglin	F-35 JP8 Flighline Fillstands	\$5,400	\$5,400	NM
FLORIDA	Eglin	F-35 POL Ops Facility	\$3,180	\$3,180	NM
FLORIDA	Eglin	F-35 JP-8 West Side Bulk Fuel Tank Upgrades	\$960	\$960	NM
FLORIDA	Eglin	F-35 Live Ordinance Load Facility	\$9,900	\$9,900	NM
FLORIDA	Eglin	F-35 A/C Parking Apron	\$16,400	\$16,400	NM
FLORIDA	Eglin	F-35 Hydrant Refueling System Phase I	\$8,100	\$8,100	NM
FLORIDA	Eglin	F-35 Parallel Taxiway Ladder	\$1,440	\$1,440	NM
HAWAII	Wheeler Annex	Upgrade ASOC Complex	\$15,000	\$15,000	NM
ITALY	Sigonella	Global Hawk Aircraft Maintenance and Operations Complex	\$31,300	\$31,300	NM
NEVADA	Creech	UAS AT/FP Security Upgrades (TFI)	\$2,700	\$2,700	NM
NEW MEXICO	Holloman	F-22 Consolidated Munitions Maintenance (TFI)	\$5,500	\$5,500	NM
NEW MEXICO	Kirtland	HC-130J Simulator Facility	\$8,700	\$8,700	NM
NEW MEXICO	Kirtland	MC-130J Simulator Facility	\$8,000	\$8,000	NM
TEXAS	Dyess	C-130J Alter Hangar	\$4,500	\$4,500	NM
TEXAS	Lackland	Evasion, Conduct After Capture Training Facility	\$4,879	\$4,879	NM
UTAH	Hill	F-22 Radar Cross Section Testing Facility	\$21,053	\$21,053	NM
New Mission TOTAL:			\$211,232	\$211,232	
VARIOUS LOCATIONS	Various	Planning and Design	\$82,363	\$82,363	P&D
VARIOUS LOCATIONS	Various	Unspecified Minor Construction	\$18,000	\$18,000	P-341
Central Program TOTAL:			\$100,363	\$100,363	
Active AF Program TOTAL:			1,145,434	1,145,434	

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**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010
INSTALLATION INDEX**

INSTALLATION	COMMAND	STATE/COUNTRY	PAGE
AL MUSANNAH	CENTCOM	OMAN	248
ALTUS	AETC	OKLAHOMA	170
AL UDEID	CENTCOM	QATAR	254
ANDERSEN	PACAF	GUAM	231
BAGRAM	CENTCOM	AFGHANISTAN	211
ANDREWS	AFDW	MARYLAND	132
CANNON	AFSOC	NEW MEXICO	136
CLEAR	AFSPC	ALASKA	25
CREECH	ACC	NEVADA	158
DAVIS-MONTHAN	ACC	ARIZONA	37
DOVER	AMC	DELAWARE	72
DYESS	ACC	TEXAS	177
EGLIN	AFMC	FLORIDA	79
ELMENDORF	PACAF	ALASKA	29
F.E. WARREN	AFSPC	WYOMING	206
GOODFELLOW	AETC	TEXAS	181
HILL	AFMC	UTAH	198
HOLLOMAN	ACC	NEW MEXICO	140
HURLBURT	AFSOC	FLORIDA	107
INCIRLIK	USAFE	TURKEY	258
KIRTLAND	AFMC	NEW MEXICO	144
LACKLAND	AETC	TEXAS	188
LANGLEY	ACC	VIRGINIA	202
LITTLE ROCK	AMC	ARKANAS	50
MACDILL	AMC	FLORIDA	114
MINOT	ACC	NORTH DAKOTA	151
MOUNTAIN HOME	ACC	IDAHO	128
PALANQUERO	ACC	COLUMBIA	215
PETERSON	AFSPC	COLORADO	61
RAMSTEIN	USAFE	GERMANY	219
SIGONELLA	USAFE	ITALY	244
SPANGDAHLEM	USAFE	GERMANY	227
TINKER	AFMC	OKLAHOMA	174
TRAVIS	AMC	CALIFORNIA	53
USAF ACADEMY	USAF	COLORADO	68
VANDENBERG	AFSPC	CALIFORNIA	57
WHEELER ANNEX	PACAF	HAWAII	124
WRIGHT - PATTERSON	AFMC	OHIO	162

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**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2010**

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 2010 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.

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 FY07 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 FY10 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 2010

NON-MILCON FUNDING

Research and Development (RDT&E) NONE

FY 2010

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 \$1,145,434,000 to remain available until September 30, 2014: Provided that, of this amount, not to exceed \$82,363,000 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 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE			
INSTALLATION AND LOCATION CLEAR AIR FORCE STATION ALASKA			COMMAND: AIR FORCE SPACE COMMAND			5. AREA CONST COST INDEX 2.25				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	AS OF 30 Sep 08	4	0	56	0	0	0	15	92	
END FY 2014	4	0	56	0	0	0	15	92	201	368
7. INVENTORY DATA (\$000)										
Total Acreage:		11,438								
Inventory Total as of : (30 Sep 08)		187,706,473								
Authorization Not Yet in Inventory:		0								
Authorization Requested in this Program:		24,300								
Planned in Next Five Years Program:		13,170								
Remaining Deficiency:		36,500								
Grand Total:		187,780,443								
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000	DESIGN START	STATUS CMPL		
811-147	Power Plant Facility		1	LS	24,300	Design	Build			
Total					24,300					
9a. Future Projects: Typical Planned Next Five Years:										
730-142	Fire Station		1,920	SM	13,170					
Total					13,170					
9c. Real Property Maintenance Backlog This Installation (\$M) 7.1										
10. Mission or Major Functions: Clear AFS is an Air National Guard installation with a Active Air Force/Air National Guard space warning mission. The 13th/213th Space Warning Squadrons provide early warning of sea-launched and intercontinental ballistic missiles to the North American Aerospace Defense Command's Missile Correlation Center located at Cheyenne Mountain Air Force Station, CO. Space situation awareness and tactical warning of ballistic missile attacks against the United States and Canada is part of the Ballistic Missile Early Warning System. Also provide space surveillance data on orbiting objects to the United States Strategic Command's Joint Space Operations Center at Vandenberg Air Force Base, Calif.										
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CLEAR AIR STATION, ALASKA		4. PROJECT TITLE POWER PLANT FACILITY			
5. PROGRAM ELEMENT 35909	6. CATEGORY CODE 811-147	7. PROJECT NUMBER DXEB043001	8. PROJECT COST (\$000) 24,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					19,194
POWER PLANT FACILITY		SM	400	13,800	(5,520)
GENERATOR SETS (2 MW) & SWITCHGEAR		EA	3	1,950,000	(5,850)
POWER FEEDERS		LS			(750)
RF SHIELDING		LS			(4,720)
4 MW LOAD BANK		EA	1	808,000	(808)
110'-HIGH EXHAUST STACK		EA	1	825,000	(825)
OVERHEAD BUILDING CRANE		EA	1	250,000	(250)
ANTI-TERRORISM/FORCE PROTECTION		LS			(352)
SDD & EPACT05		LS			(119)
SUPPORTING FACILITIES					2,539
UTILITIES		LS			(1,086)
PAVEMENTS		LS			(270)
SITE IMPROVEMENTS		LS			(729)
COMMUNICATIONS		LS			(454)
SUBTOTAL					21,733
CONTINGENCY (5.0%)					1,087
TOTAL CONTRACT COST					22,820
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					1,483
TOTAL REQUEST					24,303
TOTAL REQUEST (ROUNDED)					24,300
<p>10. Description of Proposed Construction: Facility shall be radio frequency (RF) shielded in walls, floor and ceiling along with necessary power, communications, alarm, control filters, RF doors, weather protection, shielded air vent with honeycomb filters, sprinklers, etc in accordance with MILSTD 188.125.1. Relocate existing underground utilities, security alarms and structures as required. Install three independently operable 2 megawatt (MW) diesel-generators in a new structure adjacent to bldg 800 with a minimum capacity of 6MW. The new generator sets will provide automatic start and load transfer capabilities on loss of installation prime power, and will be capable of manual starting. System will also include an automatic transfer switch (ATS), which will disconnect power feeders from existing power plant. Also included will be a means to physically disconnect power feeders. All three generators will be operator-configured to maintain frequency control, or to provide power, while following bus frequency. Each shall be configured for load control if installation-supplied power is on-line and managing frequency control. Install a 4 MW load bank to test generators at full load and maintain Power Plant operability. Install a new 4,000 gallon above ground storage tank (AST). The AST shall be manifolded into the existing 30,000 gallon tank utilizing automatic fail-safe shut off valves. The resulting tank system shall supply the two new generators two fire pumps for the 30 day requirement. The work shall include all required design, testing and certification of the generators and RF shielding. The facility will be connected to bldg 800 by means of a permanent at-grade passageway within the existing controlled area. This project</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CLEAR AIR STATION, ALASKA			4. PROJECT TITLE POWER PLANT FACILITY	
5. PROGRAM ELEMENT 35909	6. CATEGORY CODE 811-147	7. PROJECT NUMBER DXEB043001	8. PROJECT COST (\$000) 24,300	
comply with DOD antiterrorism/force protection requirements per Unified Facilities Criteria.				
11. Requirement: 32060 KW Adequate: 26060 KW Substandard: 6000 KW				
<u>PROJECT:</u> Power Plant Facility. (Current Mission)				
<u>REQUIREMENT:</u> Provide reliable, fast starting back-up power necessary for the site's critical mission by installing three 2 MW diesel-generators in a new radio frequency (RF) shielded structure. The diesel-generators will permit one power plant boiler / turbine to operate during times of low load, while maintaining available and reliable power. The diesel-generators will provide automatic start and load transfer on loss of installation-supplied power, and capability to operate in conjunction with installation-supplied power. An additional requirement is to support the Upgraded Early Warning Radar.				
<u>CURRENT SITUATION:</u> The existing power plant was originally designed to produce site power using three coal fired boiler / turbine units. Through completion of the mission radar upgrades in 2001, the site power and heating loads have been greatly reduced. Due to the critical nature of the mission to national defense, reliable and redundant power is essential. Currently two boiler / turbine units must be in operation in case of failure one unit. During summer months and other periods of low load, the boilers are operating at such minimum outputs that there is insufficient steam pressure to perform required soot blows, which can result in catastrophic failures of the boilers. The existing power plant is the only source of back-up power for building 800.				
<u>IMPACT IF NOT PROVIDED:</u> If the new back-up diesel generators are not installed, the power plant will be required to run two boiler / turbine units making it nearly impossible to perform operational soot blows. This may lead to possible catastrophic boiler failure and ultimately compromising national security. Furthermore, the mission building will continue to operate under a less than favorable power availability mode and be susceptible to boiler failures or power plant disabilities. Continuing to run two boilers will burn excessive amounts of coal, destroying a non-renewable energy source as well as senselessly wasting valuable government assets.				
<u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates there is only one option that will satisfy statutory requirements/will meet operational 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: LTC Gary Schneider, (719)556-7631. Power Plant Facility: 400 SM = 4,305 SF.				
<u>JOINT USE CERTIFICATION:</u> Mission requirements, operational considerations, and location are incompatible with use by other components.				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CLEAR AIR STATION, ALASKA		4. PROJECT TITLE POWER PLANT FACILITY	
5. PROGRAM ELEMENT 35909	6. CATEGORY CODE 811-147	7. PROJECT NUMBER DXEB043001	8. PROJECT COST (\$000) 24,300
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) All Other Design Costs 1,215</p> <p>(4) Construction Contract Award 10 MAR</p> <p>(5) Construction Start 10 APR</p> <p>(6) Construction Completion 11 SEP</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed YES</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>			

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM				2. DATE				
INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE ALASKA				COMMAND: PACIFIC AIR FORCES			5. AREA CONST COST INDEX 1.68				
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 08		799	4,570	815	0	0	0	0	0	0	6,184
END FY 2014		777	4,367	816	0	0	0	0	0	0	5,960
7. INVENTORY DATA (\$000)											
Total Acreage:											13,123
Inventory Total as of : (30 Sep 08)											1,423,900
Authorization Not Yet in Inventory:											159,700
Authorization Requested in this Program:											15,700
Planned in Next Five Years Program:											44,314
Remaining Deficiency:											0
Grand Total:											1,643,614
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)											
CATEGORY		PROJECT TITLE		SCOPE	COST	DESIGN	STATUS				
CODE					\$,000	START	CMPL				
171-875	F-22 Weapons Load Training Facility (TFI)			2,387	SM	\$12,600	May-08	Sep-09			
141-753	RED FLAG Alaska Add Alter Ops Center			840	SM	\$3,100	May-08	Sep-09			
				Total		\$15,700					
9a. Future Projects: Typical Planned Next Five Years:											
141-454	Add Alter Air Support Ops Sqdrn Trng Fac			1,140	SM	\$4,749					
215-552	F-22 Weapons & Release Sys Shop (TFI)			2,594	SM	\$10,525					
722-351	North Side Dining & In-Flight Kitchen Fac			1,618	SM	\$6,300					
214-422	Vehicle Ops & Automated Wash Facility			600	SM	\$6,200					
179-511	DoD Joint Regional Fire Training Facility			760	SM	\$6,240					
811-145	Repair Artic Utilities & Infrastructure, Ph I			44,980	LM	\$10,300					
				Total		\$44,314					
9b. 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 airborne 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

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE RED FLAG ALASKA ADD ALTER OPERATIONS CENTER (TFI)		
5. PROGRAM ELEMENT 27603	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FXSB103009	8. PROJECT COST (\$000) 3,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				2,237
ALTER OPERATIONS CENTER	SM	796	2,500	(1,990)
ADD OPERATIONS CENTER	SM	44	4,003	(176)
SDD & EPACT 05	LS			(50)
ANTITERRORISM FORCE PROTECTION	SM	840	25	(21)
SUPPORTING FACILITIES				540
SITE PREPARATION	LS			(40)
COMMUNICATION SUPPORT	LS			(60)
ENVIRONMENTAL CLEANUP	LS			(100)
UTILITIES	LS			(180)
PAVEMENTS	LS			(160)
SUBTOTAL				2,777
CONTINGENCY (5.0%)				139
TOTAL CONTRACT COST				2,916
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				190
TOTAL REQUEST				3,106
TOTAL REQUEST (ROUNDED)				3,100)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(200
10. Description of Proposed Construction: Renovate a building to accommodate Red Flag Alaska (RF-A) operations. Reconfigure building into briefing and meeting rooms as well as administrative areas. Recondition all HVAC, plumbing, electrical, and infrastructure systems to current standards. Install fire protection system to code. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria. Air Conditioning: 10 Tons				
11. Requirement: 25595 SM Adequate: 24755 SM Substandard: 1450 SM <u>PROJECT:</u> Add/Alter Red Flag Alaska Operations Center. (New Mission) <u>REQUIREMENT:</u> Operations building expansion and renovation on the north end of the facility to include administrative offices, restroom repair work, space mission planning area, and flight / mass briefing rooms adequately sized to support the growing RED FLAG Alaska (RF-A) mission training activities. Referenced areas and new construction must meet Joint Air Force Army Navy (JAFAN) 6/9 security requirements. <u>CURRENT SITUATION:</u> Existing configuration of Bldg 9549 is inadequate to meet current and projected exercise participant load requiring the use of facilities scattered across the base including leased temporary trailers and portable modular buildings. Training value is negatively impacted by the inability of all participants to plan brief and debrief at various classification levels together in a consolidated operations facility. One first floor restroom is in a state of disrepair and is marginally usable. During exercises participant load routinely exceeds the maximum allowable personnel in existing RF-A allocated space in bldg 9549.				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE RED FLAG ALASKA ADD ALTER OPERATIONS CENTER (TFI)	
5. PROGRAM ELEMENT 27603	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FXSB103009	8. PROJECT COST (\$000) 3,100
<p>IMPACT IF NOT PROVIDED: Administrative offices, workspace, mission planning, and briefing areas will continue to be crowded routinely exceeding capacity during exercises. Training value will be degraded due to inability for all participants to plan, brief, and debrief at various classification levels together in a consolidated operations facility. Duty days are extended to allow for transit time between geographically separated facilities negatively impacting following day's aircraft and aircrew availability. This project is integral to the RF-A transformation roadmap at Elmendorf AFB to meet CSAF's exercise vision that RF-A and RF-N be equivalent and relevant and will directly limit the scope, quality, and value of exercise training if not constructed.</p> <p>ADDITIONAL: This project follows the criteria/scope as specified in Air Force Handbook 32-1084, "Facility Requirements". An economic analysis has been prepared. It indicates that Adding to/Altering an existing facility to the the best alternative. 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 Dean H. Hartman, 907-552-3747. Add to Operations Center: 465 SM = 5,005 SF. Alter Operations Center: 375 SM = 4,036 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements. This project supports Total Force Integration Initiatives.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE RED FLAG ALASKA ADD ALTER OPERATIONS CENTER (TFI)	
5. PROGRAM ELEMENT 27603	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FXSB103009	8. PROJECT COST (\$000) 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			10 FEB
(5) Construction Start			10 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS	3080	2011	50
SYSTES FURNATURE	3400	2011	150

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE F-22 WEAPONS LOAD TRAINING FACILITY (TFI)		
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 171-875	7. PROJECT NUMBER FXSB073022	8. PROJECT COST (\$000) 12,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				9,290
WEAPONS LOAD TRAINING FACILITY	SM	1,693	5,317	(9,002)
ANTI-TERRORISM FORCE PROTECTION	LS			(96)
SDD & EP ACT 05	LS			(192)
SUPPORTING FACILITIES				2,012
UTILITIES	LS			(314)
AIRCRAFT ACCESS PAVEMENT	SM	5,000	207	(1,037)
PAVEMENTS	LS			(287)
SITE IMPROVEMENTS	LS			(215)
COMMUNICATIONS	LS			(159)
SUBTOTAL				11,302
CONTINGENCY (5.0%)				565
TOTAL CONTRACT COST				11,867
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				771
TOTAL REQUEST				12,638
TOTAL REQUEST (ROUNDED)				12,600)
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 insulated metal skin, and standing seam metal roof facility consisting of one (1) aircraft bays, offices, and training classrooms and restrooms. Includes 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.				
11. Requirement: 40314 SM Adequate: 11146 SM Substandard: 15436 SM				
<u>PROJECT:</u> Construct F-22 Munitions Load Crew Training Facility. (New Mission)				
<u>REQUIREMENT:</u> An adequately sized and configured training facility is required to support the beddown of 36 F-22A aircraft. This facility provides space to train weapons load crew personnel in techniques and procedures for loading weapons. Training is conducted using dummy or inert training weapons. Additional functions include training classrooms, equipment maintenance and storage, mechanical equipment room, and restrooms. This facility requires adequate lighting, aircraft grounding points, intrusion detection system, and environmental controls including ground support equipment exhaust extraction and diversion or extraction of the aircraft alternate power unit exhaust. Aircraft delivery began in 2007.				
<u>CURRENT SITUATION:</u> The existing facility used for training shares the aircraft bay with another organization. The facility is 60 years old and has antiquated plumbing and heating systems. The hangar doors are manually operated, cannot seal completely, and allow wind and snow into the facility during the winter months. There is no way to secure the aircraft bays adequately. The facility lacks fire				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE F-22 WEAPONS LOAD TRAINING FACILITY (TFI)	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 171-875	7. PROJECT NUMBER FXSB073022	8. PROJECT COST (\$000) 12,600
<p>suppression system and adequate system for venting fumes generated by the F-22A's on-board power unit, and requires noise suppression to protect the training rooms from the hangar bay during hands-on training operations. The existing facility is also located in an area where noise generated by loading and load checking operations interfere with nearby non-industrial facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Adequate facilities are not available on a daily basis to perform essential monthly and yearly training/certification requirements in a safe environment. The wing lacks dedicated classroom and storage space for Weapons Load Training. Ultimately, readiness and sortie generation times will suffer, and the risk of a mishap will increase.</p> <p><u>ADDITIONAL:</u> 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, renovation, 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 Dean H. Hartman (907) 552-3007. Weapons Load Training Facility: 1693 SM = 18,224 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements. This project supports Total Force Integration initiatives.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		4. PROJECT TITLE F-22 WEAPONS LOAD TRAINING FACILITY (TFI)	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 171-875	7. PROJECT NUMBER FXSB073022	8. PROJECT COST (\$000) 12,600
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			630
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
(7) Energy Study/Life-Cycle analysis was/will be performed			YES
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS EQUIPMENT	3080	2011	75
FURNITURE	3400	2011	125

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA				4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 1.03				
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 08		1013	5686	1749	0	553	0	2	24	471	9,498
END FY 2014		1041	5856	1721	0	553	0	2	24	471	9,668
7. INVENTORY DATA (\$000)											
a. Total Acreage:											10,953
b. Inventory Total as of : (30 Sep 08)											1,916,244
c. Authorization Not Yet in Inventory:											28,557
d. Authorization Requested in this Program:											41,900
f. Planned in Next Five Years Program:											71,700
g. Remaining Deficiency:											89,000
h. Grand Total:											2,147,401
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)											
CATEGORY					SCOPE	COST	DESIGN	STATUS			
CODE	PROJECT TITLE					\$,000	START	CMPL			
171-212	HC-130J Simulator Facility				1,256 SM	8,400	Jun-08	Sep-09			
141-753	HC-130J RQS Operations Facility				2,323 SM	8,700	Jun-08	Sep-09			
141-753	HC-130J Infrastructure				1 LS	4,800	Jun-08	Sep-09			
721-312	Dormitory (144 RM)				4,752 SM	20,000	Jun-08	Sep-09			
					Total	41,900					
9a. Future Projects: Typical Planned Next Five Years:											
141-782	HC-130J Aerial Cargo Facility				2,325 SM	9,900					
211-173	AMARG Hangar				7,130 SM	22,400					
218-712	HC-130 AGE Maintenance Facility				1,022 SM	4,100					
442-758	HC-130J Parts Store				2,323 SM	7,800					
730-839	South Entry Complex				175 SM	6,200					
610-281	Consolidated Mission Support Center				2,365 SM	7,400					
218-712	AGE Facility				6,657 SM	13,900					
					Total	71,700					
9b. Real Property Maintenance Backlog This Installation: (\$M)											84
10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/OA-10 aircrews; one A/OA-10 fighter squadron, two EC-130 electronic combat squadrons, Combat Search and Rescue, a tactical air control wing; an Air Force Reserve HH-60 rescue squadron; and Air Force Material Command's Aerospace Maintenance and Regeneration Center.											
11. Outstanding Pollution and Safety (OSHA Deficiencies):											
a. Air pollution											0
b. Water Pollution											0
c. Occupational Safety and Health											0
d. Other Environmental											0

DD Form 1390, 9 Jul 02

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE DORMITORY (144 RM)			
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FBNV073004	8. PROJECT COST (\$000) 20,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					14,655
DORMITORY (144 RM)		SM	4,752	2,992	(14,218)
SDD & EPACT 05		SM	4,752	60	(285)
ANTITERRORISM/FORCE PROTECTION		SM	4,752	32	(152)
SUPPORTING FACILITIES					3,365
UTILITIES		LS			(485)
SITE IMPROVEMENTS		LS			(784)
PAVEMENTS		LS			(625)
COMMUNICATIONS SUPPORT		LS			(385)
PASSIVE FORCE PROTECTION		LS			(245)
DEMOLITION/ASBESTOS ABATEMENT		SM	2,587	325	(841)
SUBTOTAL					18,020
CONTINGENCY (5.0%)					901
TOTAL CONTRACT COST					18,921
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					1,078
TOTAL REQUEST					19,999
TOTAL REQUEST (ROUNDED)					20,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(8,860.0)
10. Description of Proposed Construction: A two-story facility with reinforced concrete foundation and floor slabs, structural steel frame, split block masonry walls, and standing seam metal roof. Includes Dorms-4-Airment four bedroom module design, storage, lounge area, site preparation, and all other supporting facilities. Includes demolition/asbestos abatement of one facility (2,587 SM), and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per the unified facilities criteria. Air Conditioning: 140 Tons Grade Mix: E1-E4 144					
11. Requirement: 33890 SM Adequate: 14882 SM Substandard: 14118 SM PROJECT: Dormitory (144 RM). (Current Mission) REQUIREMENT: A major Air Force objective is to provide permanent party unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs they must perform. The retention of these highly trained airmen is essential to our readiness posture and continued world-wide presence. CURRENT SITUATION: The base has insufficient on-base housing that meets AF standards to accommodate assigned unaccompanied enlisted personnel. Therefore, a new facility is needed to prevent enlisted personnel from living off-base in expensive accommodations. This project is in accordance with the Air Force Dormitory Master Plan. IMPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's airmen will not be available. This will result in degradation of morale, productivity and career satisfaction for unaccompanied enlisted					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA			4. PROJECT TITLE DORMITORY (144 RM)	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FBNV073004	8. PROJECT COST (\$000) 20,000	

personnel.

ADDITIONAL: This project meets the criteria/scope specified in the uniform barracks construction standard known as "dorm-4-airmen module" established by the Air Force and AFH 32-1084, Facility Requirements. Sustainable principles will be integrated into the project design, development and construction 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; new construction. A certificate of exception has been prepared. FY2007 Unaccompanied Housing RPM Conducted: \$102K. FY2008 Unaccompanied Housing RPM Conducted: \$108K; Future Unaccompanied Housing RMP requirements (estimated): FY09: \$111K; FY10: \$113K; FY11: \$116K. Base Civil Engineer: LtCol Charles D. Perham, (520) 228-3401. Dormitory: 4,752 SM = 51,132 SF.

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

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE DORMITORY (144 RM)	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FBNV073004	8. PROJECT COST (\$000) 20,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			30-JAN-09
(e) Date Design Complete			30-SEP-09
(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			1,194
(b) All Other Design Costs			597
(c) Total			1,791
(d) Contract			1,493
(e) In-house			299
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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)
FURNITURE	3400	2011	8,800
COMMUNICATIONS	3080	2011	60

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE HC-130J INFRASTRUCTURE			
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FBNV103003	8. PROJECT COST (\$000) 4,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					4,010
A/C CENTRAL PLANT FACILITY		TN	800	3,200	(2,560)
WATER/FIRE PUMP STATION AND STORAGE TANKS		LS			(1,450)
SUPPORTING FACILITIES					299
UTILITIES		LS			(175)
SITE IMPROVEMENTS		LS			(10)
PAVEMENTS/DEMOLITION		LS			(19)
COMMUNICATIONS SUPPORT		LS			(45)
PASSIVE FORCE PROTECTION MEASURES		LS			(50)
SUBTOTAL					4,309
CONTINGENCY (5.0%)					215
TOTAL CONTRACT COST					4,524
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					258
TOTAL REQUEST					4,782
TOTAL REQUEST (ROUNDED)					4,800
<p>10. Description of Proposed Construction: Construct utility infrastructure facilities with split-face block, reinforced concrete foundation and floor slab, structural steel frame, standing seam metal roof, fire detection/protection, utilities, site improvements, landscaping, access roads, parking, walkways, pavements demolition, and all other necessary support. Includes upgrades to utility main distribution systems directly related to and in support of the CSAR Center of Excellence campus. Air conditioning should equate to 800 tons and the water system have the capability of 4,000 gpm with appropriate water storage tanks. This project will comply with antiterrorism/force protection requirements identified in DoD Unified Facilities Criteria.</p>					
<p>11. Requirement: 1200 TN Adequate: 400 TN Substandard: 0 TN</p> <p>PROJECT: HC-130J Infrastructure. (New Mission)</p> <p>REQUIREMENT: Adequately sized and configured infrastructure is required for facilities supporting operational requirements of the CSAR weapon system beddown. The infrastructure upgrades will serve as the spine for all CSAR training, operations, and maintenance facilities within the strategically sited campus; designed to increase the readiness of the CSAR community.</p> <p>CURRENT SITUATION: The existing utility infrastructure supporting the installation of the CSAR Center of Excellence campus is nearly at capacity. The additional infrastructure requirements needed to support a beddown of this magnitude will exceed the capacity of these utility systems. Also, existing utility systems or facilities on the installation cannot be converted or efficiently upgraded to accommodate the utility requirements of the CASR beddown mission.</p> <p>IMPACT IF NOT PROVIDED: Adequate utilities infrastructure will not be available to support the increased implementation of the CSAR Center of Excellence campus. The potential for significant degradation of mission performance and capabilities will be increased. In addition, due to the inadequate work environment, morale of Air Force personnel will be extremely lowered resulting in less productivity.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA			4. PROJECT TITLE HC-130J INFRASTRUCTURE	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FBNV103003	8. PROJECT COST (\$000) 4,800	
<p>32-1084, "Facility Requirements" and the CSAR Facilities Requirement Plan. Sustainable principles will be integrated into the project design, development and construction 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 meets operational requirements; new construction. A waiver to exception has been done. Base Civil Engineer: Lt Col Valerie L. Hasberry, (520) 228-3401. CSAR HC-130J Infrastructure project: A/C: 800 tons - Pumping 4,000 g.p.m. with appropriate water storage tanks.</p> <p>JOINT USE CERTIFICATION: This is an installation utility/infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project. Project is specifically provided for the recapitalization and new mission priority requirements of the CSAR Center of Excellence.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE HC-130J INFRASTRUCTURE	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FBNV103003	8. PROJECT COST (\$000) 4,800
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			288
(b) All Other Design Costs			144
(c) Total			432
(d) Contract			360
(e) In-house			72
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA			4. PROJECT TITLE HC-130J SQUADRON OPERATIONS FACILITY		
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FBNV103002	8. PROJECT COST (\$000) 8,700		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					6,809
HC-130J SQUADRON OPERATIONS FACILITY		SM	2,323	2,850	(6,621)
SDD & EPACT 05		SM	2,323	54	(125)
ANTITERRORISM/FORCE PROTECTION		SM	2,323	27	(63)
SUPPORTING FACILITIES					1,045
UTILITIES		LS			(106)
SITE IMPROVEMENTS		LS			(86)
PAVEMENTS/DEMOLITION		LS			(310)
COMMUNICATIONS SUPPORT		LS			(353)
RADIO TOWER		LS			(175)
PASSIVE FORCE PROTECTION MEASURES		LS			(15)
SUBTOTAL					7,854
CONTINGENCY (5.0%)					393
TOTAL CONTRACT COST					8,246
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					470
TOTAL REQUEST					8,716
TOTAL REQUEST (ROUNDED)					8,700
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(740.0)
10. Description of Proposed Construction: Split-face block with reinforced concrete foundation and floor slab, structural steel frame, standing seam metal roof, fire detection/protection, utilities, site improvements, landscaping, access roads, parking, walkways, pavement demolition, communication support, radio tower and all other necessary support. This project will comply with antiterrorism/force protection requirements identified in DoD unified facilities criteria. Air Conditioning: 85 Tons					
11. Requirement: 26347 SM Adequate: 24024 SM Substandard: 1856 SM PROJECT: HC-130J Squadron Operations Facility. (New Mission) REQUIREMENT: Adequate space is required for an HC-130J squadron operations facility for the 79th Rescue Squadron (RQS). Space will accommodate mission planning, briefing, operations support, maintenance of life support and mobility equipment, crew rooms and locker space. This project requirement and scope was identified as part of the HQ ACC Facilities Site Survey 16-20 April 2007. CURRENT SITUATION: There are no existing facilities on the installation that can be converted to accommodate space and functional requirements for HC-130J squadron operations. Therefore, when personnel supporting the HC-130J arrive on station they will have to work in temporary and/or inadequate facilities. IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential HC-130J flight operations and mission planning functions, forcing inadequate and high risk work-arounds. The potential for significant degradation of mission performance and capabilities will increase. In addition, due to the inadequate work environment, morale of Air Force personnel will be lowered resulting in less productivity.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE HC-130J SQUADRON OPERATIONS FACILITY	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FBNV103002	8. PROJECT COST (\$000) 8,700
<p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 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. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, and new construction) was done. It indicates there is only one option that will meet operational requirements; new construction. A waiver of exception has been prepared. HC-130J Squadron Operations Facility: 2,323 SM = 25,000 SF. Base Civil Engineer: Lt Col Valerie L. Hasberry, (520) 228-3401</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE HC-130J SQUADRON OPERATIONS FACILITY	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FBNV103002	8. PROJECT COST (\$000) 8,700
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			522
(b) All Other Design Costs			261
(c) Total			783
(d) Contract			653
(e) In-house			131
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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)
COMM EQUIPMENT	3400	2011	325
FURNISHINGS	3400	2011	415

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA			4. PROJECT TITLE HC-130J SIMULATOR FACILITY		
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 171-212	7. PROJECT NUMBER FBNV103001	8. PROJECT COST (\$000) 8,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					5,426
HC-130J SIMULATOR FACILITY		SM	1,256	4,200	(5,275)
SDD & EPACT 05		SM	1,256	80	(100)
ANTITERRORISM/FORCE PROTECTION		SM	1,256	40	(50)
SUPPORTING FACILITIES					2,170
UTILITIES		LS			(530)
SITE IMPROVEMENTS		LS			(365)
PAVEMENTS/DEMOLITION		LS			(325)
COMMUNICATIONS SUPPORT		LS			(240)
SECURE COMMUNICATIONS TRENCH		LS			(220)
MOTOR GENERATOR		LS			(260)
PASSIVE FORCE PROTECTION MEASURES		LS			(40)
FACILITY SYSTEMS TRAINING		LS			(190)
SUBTOTAL					7,596
CONTINGENCY (5.0%)					380
TOTAL CONTRACT COST					7,976
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					455
TOTAL REQUEST					8,430
TOTAL REQUEST (ROUNDED)					8,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(32,250.0)
<p>10. Description of Proposed Construction: Construct two-story open bay, reinforced concrete foundation, concrete slab, structural steel frame, standing seam metal roof and split-faced block, back-up generator, utilities, pavements, site improvements, landscaping with establishment irrigation, walkways, fire detection/protection, and communication support to include secure communications trench, and all other necessary support. This project will comply with antiterrorism/force protection requirements identified in DoD unified facilities criteria.</p> <p>Air Conditioning: 60 Tons</p>					
<p>11. Requirement: 2818 SM Adequate: 1562 SM Substandard: 0 SM</p> <p>PROJECT: HC-130J Simulator Facility. (New Mission)</p> <p>REQUIREMENT: Adequate space is required to operate an HC-130J flight simulator to train Combat Search and Rescue (CSAR) personnel. Facility must house the HC-130J simulator to provide realistic training and accurately portray the Mission Design Series (MDS) needed to properly train and increase readiness of the CSAR community.</p> <p>CURRENT SITUATION: There are no facilities on the installation that can accept the new simulator training requirement. All HC-130J simulator training for Davis-Monthan personnel requires temporary duty to other installations or contractor locations that have both the additional capacity and simulator time.</p> <p>IMPACT IF NOT PROVIDED: Despite allocating all available assets and resources to meet mission qualifying training requirements, personnel assigned to Davis-Monthan AFB will not be able to meet the minimal graduate program requirements needed for</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA			4. PROJECT TITLE HC-130J SIMULATOR FACILITY	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 171-212	7. PROJECT NUMBER FBNV103001	8. PROJECT COST (\$000) 8,400	
<p>the number of aircraft assigned to the installation.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, and new construction) was done. It 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. Base Civil Engineer: Lt Col Valerie L. Hasberry, (520) 228-3401. HC-130J Simulator Facility: 1,256 SM = 13,515 SF.</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE HC-130J SIMULATOR FACILITY	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 171-212	7. PROJECT NUMBER FBNV103001	8. PROJECT COST (\$000) 8,400
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			16-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			504
(b) All Other Design Costs			252
(c) Total			756
(d) Contract			630
(e) In-house			126
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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)
COMMUNICATIONS EQUIPMENT	3400	2011	150
FURNISHINGS	3400	2011	100
FLIGHT SIMULATOR	3080	2011	32,000

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE			
INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE ARKANSAS				COMMAND: AIR MOBILITY COMMAND			5. AREA CONST COST INDEX 0.9				
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 08		301	2,819	436	30	6	0	372	1467	708	6,139
END FY 2014		301	2,819	436	30	6	0	372	1467	708	6,139
7. INVENTORY DATA (\$000)											
Total Acreage:		1,611									
Inventory Total as of : (30 Sep 08)											1,261,000
Authorization Not Yet in Inventory:											25,936
Authorization Requested in this Program:											5,800
Planned in Next Five Years Program:											43,200
Remaining Deficiency:											73,300
Grand Total:											1,409,236
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)											
CATEGORY		PROJECT TITLE		SCOPE		COST	DESIGN	STATUS			
CODE						\$,000	START	CMPL			
171-212	C-130 Flight Simulator Addition		898		SM	\$5,800	May-08	Sep-09			
				Total		\$5,800					
9a. Future Projects: Typical Planned Next Five Years:											
211-157	C-130 Engine Storage Facility		1,472		SM	\$3,700					
721-312	Dormitory (120 Room)		4,394		SM	\$17,000					
730-835	Security Forces Operations Facility		2,130		SM	\$5,900					
721-312	Dormitory (120 Room)		4,394		SM	\$16,600					
				Total		\$43,200					
9b. Real Property Maintenance Backlog This Installation										70	
10. Mission or Major Functions: An airlift wing with five C-130 squadrons conducting operations and training--the only DoD C-130 training base; an Air Mobility Command airlift group with C-130 aircraft; an ANG C-130 airlift wing; and an AFRC aerial port squadron.											
11. Outstanding pollution and Safety (OSHA Deficiencies:											
a. Air pollution		0									
b. Water Pollution		0									
c. Occupational Safety and Health		0									
d. Other Environmental		0									

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS		4. PROJECT TITLE C-130 FLIGHT SIMULATOR ADDITION			
5. PROGRAM ELEMENT 41897	6. CATEGORY CODE 171-212	7. PROJECT NUMBER NKAK103003	8. PROJECT COST (\$000) 5,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,922
FLT SIMLTR TNG		SM	898	4,241	(3,808)
ANTITERRORISM/FORCE PROTECTION		SM	898	41	(37)
SDD & EP ACT 05		SM	898	86	(77)
SUPPORTING FACILITIES					1,259
SITE PREPARATION		LS			(32)
REMOVE RELOCATE ANODE BED		LS			(91)
UTILITIES		LS			(199)
SITE IMPROVEMENTS		LS			(128)
PAVEMENTS		LS			(484)
SPECIAL FOUNDATIONS		LS			(325)
SUBTOTAL					5,181
CONTINGENCY (5.0%)					259
TOTAL CONTRACT COST					5,440
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					310
TOTAL REQUEST					5,750
TOTAL REQUEST (ROUNDED)					5,800
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(28,694.0)
<p>10. Description of Proposed Construction: Construct a two-story Weapons System Trainer (WST) high-bay addition to existing flight simulator facility 1228. Addition to mirror existing facility architecture and include concrete footings and slab on grade, structural steel frame, standing seam metal roof, brick exterior walls, fire protection/ suppression, and entrance canopy. Site work includes relocation of anode bed and runoff drainage swale, asphalt access roadway, and parking areas. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.</p> <p>Air Conditioning: 70 Tons</p>					
<p>11. Requirement: 16149 SM Adequate: 12143 SM Substandard: 0 SM</p> <p>PROJECT: C-130 Flight Simulator Addition (New Mission).</p> <p>REQUIREMENT: A properly sized and configured area to accommodate a new six-axis C-130 flight simulator with adequate space for operational computers, briefing rooms, component and facility storage, classrooms, and instructor areas in support of the C-130 aircrew training program. This additional simulator will provide required and essential initial, qualification, proficiency, 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 Air Force Occupational Safety and Health Standard 91-118 for new construction, and comply with C-130 Aircrew Training System Program Office physical security guidelines.</p> <p>CURRENT SITUATION: Little Rock AFB currently provides flight simulator training in three separate facilities. In December 2006, HQ AMC programmed \$460M to purchase new aircraft simulators and construct facilities in support of Mobility Air Forces (MAF) training requirements.</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS			4. PROJECT TITLE C-130 FLIGHT SIMULATOR ADDITION	
5. PROGRAM ELEMENT 41897	6. CATEGORY CODE 171-212	7. PROJECT NUMBER NKAK103003	8. PROJECT COST (\$000) 5,800	
<p>IMPACT IF NOT PROVIDED: C-130 flight crew training requirements cannot be met without an additional C-130 flight simulator. New flight simulators provide around-the-clock availability, save on aviation fuel consumption, and reduce wear and tear on aircraft. An expected simulator training tempo of 344 sorties at 1.7 hours per sortie will convert 585 cockpit flying hours. With the current C-130 flying hour rate of \$5,016K, this will produce estimated annual savings of nearly \$3M and a payback of less than two years. In addition, increasing reliance on simulators lessens the maintenance requirements on aircraft that have been heavily taxed by nearly 17 years of continuous contingency operations.</p> <p>ADDITIONAL: This project meets the scope/criteria specified in AFH 32-1084, "Facility Requirements". A preliminary analysis was conducted comparing alternatives of status quo, renovation, and new construction. It indicates that new construction is the only option that will meet operational requirements. A certificate of exception has been prepared and submitted to the MAJCOM for approval. 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. BCE: Lt Col Richard E. Sloop, Jr., Commercial 501-987-3322. C130 Flight Simulator Addition: 898 SM = 9,666 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS		4. PROJECT TITLE C-130 FLIGHT SIMULATOR ADDITION	
5. PROGRAM ELEMENT 41897	6. CATEGORY CODE 171-212	7. PROJECT NUMBER NKAK103003	8. PROJECT COST (\$000) 5,800
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			348
(b) All Other Design Costs			174
(c) Total			522
(d) Contract			435
(e) In-house			87
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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/EQUIPMENT	3400	2011	94
WEAPONS SYSTEM TRAINER (WST)	3010	2010	28,600

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE CALIFORNIA				4. COMMAND: AIR MOBILITY COMMAND			5. AREA CONST COST INDEX 1.26				
6. Personnel Strength AS OF 30 SEP 08 END FY 2014	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
	1300	5866	2247	0	0	0	661	2629	1564		
	1300	5866	2247	0	0	0	661	2629	1564	14,267	
7. INVENTORY DATA (\$000)											
Total Acreage:		6,383									
Inventory Total as of : (30 Sep 08)										3,060,808	
Authorization Not Yet in Inventory:										170,705	
Authorization Requested in this Program:										6,900	
Planned in Next Five Years Program:										50,900	
Remaining Deficiency:										201,500	
Grand Total:										3,490,813	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)											
CATEGORY					COST	DESIGN	STATUS				
CODE	PROJECT TITLE				SCOPE	\$,000	START	CMPL			
171-875	KC-10 Cargo Load Trainer				3,150	SM	6,900	Design Build			
					Total		6,900				
9a. Future Projects: Typical Planned Next Five Years:											
171-618	C-5 Add Cargo Aircraft Maint Training Fac				625	SM	3,200				
721-312	Dormitory (120 Room)				3,959	SM	16,000				
851-147	South Gate Bypass Road				3,260	SM	4,600				
721-312	Dormitory (120 Room)				3,959	SM	16,500				
610-127	BCE Maintenance Shops				3,809	SM	10,600				
					Total		50,900				
9b. Real Property Maintenance Backlog This Installation (\$M):										209	
10. Mission or Major Functions: HQ 15th Air Force; an air mobility wing with two C-5 squadrons and two KC-10 air refueling squadrons; an AFRC Associate air mobility wing; and David Grant Medical Center.											
11. Outstanding pollution and Safety (OSHA) Deficiencies:											
a. Air pollution							0				
b. Water Pollution							0				
c. Occupational Safety and Health							0				
d. Other Environmental							0				

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE KC-10 CARGO LOAD TRAINING (CLT) FACILITY			
5. PROGRAM ELEMENT 41897	6. CATEGORY CODE 171-875	7. PROJECT NUMBER XDAT083002	8. PROJECT COST (\$000) 6,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					4,568
CARGO LOADING BUILDING		SM	850	3,950	(3,358)
TRAINING ROOMS & STORAGE		SM	250	4,225	(1,056)
ANTITERRORISM/FORCE PROTECTION		SM	1,100	47	(52)
SDD & EPACT05		SM	1,100	93	(102)
SUPPORTING FACILITIES					1,646
UTILITIES		LS			(378)
PAVEMENTS		LS			(456)
SITE IMPROVEMENTS		LS			(490)
COMMUNICATIONS		LS			(175)
ENVIRONMENTAL RESTORATION		LS			(147)
SUBTOTAL					6,214
CONTINGENCY (5.0%)					311
TOTAL CONTRACT COST					6,524
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					372
TOTAL REQUEST					6,896
TOTAL REQUEST (ROUNDED)					6,900
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(4,750.0)
10. Description of Proposed Construction: Steel frame building with dryvit system on exterior walls and standing seam metal roofing system. Insulated walls, fire alarm and suppression system, electrical, HVAC to include inside plane area for cargo training, and all necessary equipment to support training requirements. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria. Air Conditioning: 50 Tons					
11. Requirement: 1100 SM Adequate: SM Substandard: SM PROJECT: Construct Load Training Facility. (New Mission) REQUIREMENT: Construct new KC-10 Cargo Load Training (CLT) Facility to include a high bay equipped with a KC-10 fuselage for cargo load operation training. Facility includes two separate training rooms each with direct access to training bay. CURRENT SITUATION: There is no facility in the entire Air Force dedicated to the mission of cargo loading training operations for KC-10 aircraft. Currently, personnel responsible for loading KC-10 aircraft must learn through on-the-job training and do not have a controlled training environment to receive formal instruction. Existing training utilizes mission-ready aircraft and operational missions which is time consuming and reduces KC-10 assets available to the warfighter. IMPACT IF NOT PROVIDED: Personnel responsible for loading cargo on KC-10 aircraft must continue to learn on the job, which puts active KC-10 assets at risk of damage due to training accidents. Without a dedicated facility to train personnel before they are assigned to KC-10 units, training must now occur during duty hours which					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA			4. PROJECT TITLE KC-10 CARGO LOAD TRAINING (CLT) FACILITY	
5. PROGRAM ELEMENT 41897	6. CATEGORY CODE 171-875	7. PROJECT NUMBER XDAT083002	8. PROJECT COST (\$000) 6,900	
<p>decreases productivity and mission effectiveness. The ability to have trained personnel to rapidly turn KC-10 mobility sorties by being able to quickly, safely, and efficiently load cargo will help AMC support USTRANSCOM's global mobility mission and move more warfighting materiel to the theater.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options (status quo, renovation, addition/alteration, and new construction) was done. It 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 design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. C.S. Hoover, Lt Col, USAF, Base Civil Engineer. Construct KC-10 Cargo Load Trainer Facility (1,100 SM = 11,836 SF)</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE KC-10 CARGO LOAD TRAINING (CLT) FACILITY	
5. PROGRAM ELEMENT 41897	6. CATEGORY CODE 171-875	7. PROJECT NUMBER XDAT083002	8. PROJECT COST (\$000) 6,900
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			414
(b) All Other Design Costs			207
(c) Total			621
(d) Contract			518
(e) In-house			104
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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)
CARGO LOAD TRAINER	3010	10	4,200
FURNITURE	3400	11	400
COMM EQUIPMENT	3080	11	150

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE			
INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE CALIFORNIA				COMMAND: AIR FORCE SPACE COMMAND			5. AREA CONST COST INDEX 1.23				
6. Personnel	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
AS OF 30 Sep 08	212	1155	924	200	75	0	653	1864	1413	6,496	
END FY 2014	195	1155	920	200	75	0	625	1851	1420	6,441	
7. INVENTORY DATA (\$000)											
Total Acreage:	132,184										
Inventory Total as of : (30 Sep 08)										1,595,422	
Authorization Not Yet in Inventory:										16,676	
Authorization Requested in this Program:										13,000	
Planned in Next Five Years Program:										69,894	
Remaining Deficiency:										66,000	
Grand Total:										1,760,992	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)											
CATEGORY						COST	DESIGN	STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>					<u>SCOPE</u>	<u>\$,000</u>	<u>START</u>	<u>CMPL</u>		
740-884	Child Development Center					2,173	SM	13,000	May 08	Sep 09	
						Total		13,000			
9a. Future Projects: Typical Planned Next Five Years:											
610-249	30th Space Wing Headquarters Ph1					1,858	SM	9,894			
610-249	30th Space Wing Headquarters Ph2					4,000	SM	16,900			
730-441	Consolidated Base Education Center					6,600	SM	13,000			
740-674	Fitness Center Addition					3,598	SM	13,800			
721-312	Replace Enlisted Dormitory Ph1					96	RM	16,300			
						Total		69,894			
9b. Real Property Maintenance Backlog This Installation (\$M)										67.3	
10. Mission or Major Functions: Vandenberg's mission is to defend the United States through exceptional Launch, Range, Expeditionary, and Installation Operations. Vandenberg Air Force Base is headquarters for the 30th Space Wing and 14th Air Force. The 30th manages Department of Defense space and missile testing, and placing satellites into polar orbit from the West Coast, using expendable boosters.											
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE CHILD DEVELOPMENT CENTER			
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 740-884	7. PROJECT NUMBER XUMU003000	8. PROJECT COST (\$000) 13,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					9,066
CHILD DEVELOPMENT CENTER		SM	2,173	3,850	(8,366)
ANTITERRORISM FORCE PROTECTION		LS			(162)
INTERIOR COMMUNICATIONS SUPPORT		LS			(350)
SDD EP ACT2005		LS			(188)
SUPPORTING FACILITIES					2,612
SITE IMPROVEMENTS		LS			(250)
PAVEMENTS		LS			(450)
EXTERIOR COMMUNICATIONS		LS			(125)
ACTIVE SOLAR		LS			(210)
PLAYGROUND AREA		LS			(650)
PASSIVE FORCE PROTECTION		LS			(377)
UTILITIES		LS			(550)
SUBTOTAL					11,678
CONTINGENCY (5.0%)					584
TOTAL CONTRACT COST					12,262
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					699
TOTAL REQUEST					12,961
TOTAL REQUEST (ROUNDED)					13,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(1,000
10. Description of Proposed Construction: One-story steel structure with reinforced concrete foundation and floor slab, masonry walls, interior partition framing, a sloped tile roof, an adequately sized and safe playground, and all appurtenances for a complete and usable CDC. The facility shall have a lobby and administrative areas that must satisfy the American with Disabilities Act (ADA). Complies with DoD force protection requirements standards per Unified Facilities Criteria (UFC). Air Conditioning: 40 Tons					
11. Requirement: 2173 SM Adequate: 0 SM Substandard: 2118 SM <u>PROJECT:</u> Child Development Center. (Current Mission) <u>REQUIREMENT:</u> This project will provide an adequate CDC and consolidate family day care to accommodate and support Vandenberg Air Force Base's (AFB) child care needs for 220 children. The CDC includes a central administration area; staff/public toilets; child developmental areas for young infants (6 wks - 6 mos), older infants (6-12 mos), pre-toddlers (12-24 mos), and toddlers (24-36 mos); and multipurpose rooms that can be easily converted to accommodate the different age groups. The facility shall have a correctly sized and properly configured food preparation/dishwashing area, administrative and lobby areas, dry and cold storage area, janitor's closet, and support areas. The new CDC must comply with current AT/FP and ADA standards, fire codes, and all other applicable child care facility regulations. <u>CURRENT SITUATION:</u> Presently, the CDC is housed in five undersized permanent					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA			4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 740-884	7. PROJECT NUMBER XUMU003000	8. PROJECT COST (\$000) 13,000	
<p>facilities and in part of one temporary facility located approximately 2 miles away from the permanent facilities. The existing center constructed in 1992 and can only enroll 145 children, with a waiting list that has reached to 120 children in recent years. The rooms are too small and do not meet the current child/adult square footage ratio per Unified Facilities Criteria (UFC) 4-740-14 Design: Child Development Centers requirements (1 August 2002). Without adequate toilets and wash stands, the classrooms cannot easily be converted to accommodate the maximum allowable kids per care provider, thus reducing the efficiency of the child care operation. The existing reception and administrative areas are undersized and poorly configured. The facility currently does not have an isolation/health room, a training room, or a break room for the staff. In addition, the existing food preparation and laundry areas are too small and poorly configured. The nearest communities are between 8 and 20.5 miles from the base, making access to off-base child care facilities expensive and impractical.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Failure to provide an adequate CDC will leave dependant children in inadequate and undersized facilities and will negatively impact morale of personnel. Military members will have difficulty arranging child care which will affect their ability to focus on the base mission. Readiness response will be impeded by lack of childcare. An undersized and poorly configured childcare center deprives the children of an atmosphere most conducive to development during their critical formative years such as social, emotional, physical and cognitive development of the children in care. In addition, the childcare staff will continue to endure inefficient workarounds, wasting much needed resources and manpower.</p> <p><u>ADDITIONAL:</u> This project meets the scope/criteria specified in Air Force Handbook 32-1084, "facility Requirement". All known alternatives were considered during the development of this project. No other viable and economical 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 David C. Piech, Commercial (805) 606-6855. Child Development Center: 2,173 SM = 23,390 SF</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 740-884	7. PROJECT NUMBER XUMU003000	8. PROJECT COST (\$000) 13,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by design-build procedures			
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) All Other Design Costs			650
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 AUG
(7) Energy Study/Life-Cycle analysis was/will be performed			YES
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMM EQUIPMENT	3080	2011	200
KITCHEN EQUIPMENT/FURNISHINGS	3400	2011	800

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE			
INSTALLATION AND LOCATION PETERSON AIR FORCE BASE COLORADO				COMMAND: AIR FORCE SPACE COMMAND			5. AREA CONST COST INDEX 1.07				
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 Sep 08		189	1123	645	0	0	0	1446	2034	2336	7,773
END FY 2014		174	1083	649	0	0	0	1367	1965	2460	7,698
7. INVENTORY DATA (\$000)											
Total Acreage:		1,387									
Inventory Total as of : (30 Sep 08)										433,330	
Authorization Not Yet in Inventory:										25,245	
Authorization Requested in this Program:										25,100	
Planned in Next Five Years Program:										70,126	
Remaining Deficiency:										194,100	
Grand Total:										747,901	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)											
CATEGORY						COST		DESIGN		STATUS	
<u>CODE</u>		<u>PROJECT TITLE</u>		<u>SCOPE</u>		<u>\$,000</u>		<u>START</u>		<u>CMPL</u>	
141-753		C-130 Squadron Operations/AMU		1314 SM		5,200		Design Build			
171-627		National Security Space Institute		4,898 SM		19,900		Jun 08		Sep 09	
		Total				25,100					
9a. Future Projects: Typical Planned Next Five Years:											
141-454		RAIDRS Space Control Facility		4,408 SM		26,100					
740-674		Fitness Center Annex		3,606 SM		11,800					
610-284		HQ AFSPC Annex		6,780 SM		18,656					
871-183		Peterson East Stormwater Drainage		3,350 LM		6,200					
871-183		Widen Paine Street		3,100 SM		2,508					
851-147		East Gate Realignment		650 SM		4,862					
		Total				70,126					
9b. Real Property Maintenance Backlog This Installation (\$M)										45.4	
10. Mission or Major Functions: The mission of the 21st Space Wing is to conduct world class space superiority operations and provide unsurpassed installation support and protection while deploying Warrior Airmen. The 21st SW provides worldwide missile warning and space control to unified commanders, NORAD, US NORTHCOM, US STRATCOM, and combat forces. 21 SW also manages the global space surveillance network that detects, tracks, and catalogs all man-made objects in space and also provides early warning of strategic and theater ballistic missile attacks and foreign space launches.											
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		4. PROJECT TITLE C-130 SQUADRON OPS/AMU (TFI)			
5. PROGRAM ELEMENT 41115	6. CATEGORY CODE 141-753	7. PROJECT NUMBER TDKA109005	8. PROJECT COST (\$000) 5,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,725
SQUADRON OPERATIONS		SM	714	2,938	(2,098)
AIRCRAFT MAINTENANCE UNIT		SM	381	2,693	(1,026)
LIFE SUPPORT		SM	81	2,678	(217)
MOBILITY STORAGE		SM	101	1,465	(148)
MEDICAL ADDITION		SM	37	4,148	(153)
ANTITERRORISM/FORCE PROTECTION		SM	1,314	21	(28)
SDD & EPACT 05		SM	1,314	42	(55)
SUPPORTING FACILITIES					985
UTILITIES		LS			(245)
PAVEMENTS		LS			(245)
SITE IMPROVEMENTS		LS			(245)
COMMUNICATIONS		LS			(250)
SUBTOTAL					4,710
CONTINGENCY (5.0%)					235
TOTAL CONTRACT COST					4,945
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					282
TOTAL REQUEST					5,227
TOTAL REQUEST (ROUNDED)					5,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(762.0)
10. Description of Proposed Construction: Construct a new co-located Squadron Operations/AMU facility to support the TFI active associate to the 302 AW (AFRC). The facility shall be compatible with installation architectural guidance. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.					
11. Requirement: 1314 SM Adequate: 0 SM Substandard: 0 SM					
PROJECT: Construct a squadron operations/AMU complex. (New Mission)					
REQUIREMENT: Adequately sized and functionally configured to satisfy all training requirements, storage, and administrative requirements of the new unit. Construct new associate Squadron Operations and Aircraft Maintenance Squadrons. Add/alter existing facilities such as mobility storage, life support, and medical clinic to support the associate squadron. Medical addition to be constructed to meet medical requirements.					
CURRENT SITUATION: The TFI initiatives recommendation includes the addition of an active associate to the 302 AW (12 PAA) C-130 mission at Peterson AFB, CO. A Facility Utilization Survey recently validated a current mission deficit of 46,000 SF for the 302 AW. There are no additional facilities available at Peterson AFB to accommodate this mission.					
IMPACT IF NOT PROVIDED: The unit will not have adequate facilities upon beddown which will negatively impact their ability to fully augment the 302 AW under activation conditions. Without this addition, the unit will not have an area suitable for operations and training personnel to perform their mission.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		4. PROJECT TITLE C-130 SQUADRON OPS/AMU (TFI)	
5. PROGRAM ELEMENT 41115	6. CATEGORY CODE 141-753	7. PROJECT NUMBER TDKA109005	8. PROJECT COST (\$000) 5,200
<p>ADDITIONAL: This project meets the criteria/scope specified in AFRC Handbook 32-1001, Standard Facility Requirements and Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options was accomplished comparing alternatives of status quo, renovation, addition/alteration, and new construction. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception will be prepared. 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. Base Civil Engineer: Lt Col Derrek Sanks, Comm 719-556-7631. Active Associate Squad Ops/AMU (1,314 SM = 14,150 SF)</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force Reserve and Air Mobility Command requirements. This project supports Total Force Integration initiatives.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		4. PROJECT TITLE C-130 SQUADRON OPS/AMU (TFI)	
5. PROGRAM ELEMENT 41115	6. CATEGORY CODE 141-753	7. PROJECT NUMBER TDKA109005	8. PROJECT COST (\$000) 5,200
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			312
(b) All Other Design Costs			156
(c) Total			468
(d) Contract			390
(e) In-house			78
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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)
INTERIOR FURNISHINGS/LOCKERS	3400	2011	662
COMMUNICATIONS EQUIPMENT	3080	2011	100

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO			4. PROJECT TITLE NATIONAL SECURITY SPACE INSTITUTE		
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 171-627	7. PROJECT NUMBER TDKA074036B	8. PROJECT COST (\$000) 19,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					14,598
NATIONAL SECURITY SPACE INSTITUTE		SM	4,898	2,683	(13,141)
ANTITERRORISM/FORCE PROTECTION		LS			(239)
INTERIOR COMMUNICATIONS		SM	4,886	192	(938)
SDD & EPACT05		LS			(280)
SUPPORTING FACILITIES					3,312
SENSITIVE COMPARTMENTED INFORMATION FAC(SCIF)		SM	877	200	(175)
UTILITIES		LS			(242)
SITE IMPROVEMENTS		LS			(672)
PAVEMENTS		SM	12,000	89	(1,068)
TRAFFIC SIGNAL		EA	1	198,000	(198)
EXTERIOR COMMUNICATIONS SUPPORT		LS			(261)
PASSIVE ANTITERRORISM/FORCE PROTECTION		LS			(341)
RELOCATE EXISTING CITY HI-VOLTAGE UG POWER		LM	138	2,570	(355)
SUBTOTAL					17,911
CONTINGENCY (5.0%)					896
TOTAL CONTRACT COST					18,806
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					1,072
TOTAL REQUEST					19,878
TOTAL REQUEST (ROUNDED)					19,900
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(1,800.0)
<p>10. Description of Proposed Construction: Construct a two-story structure consisting of a reinforced concrete foundation and structural slab with structural steel framing. Exterior walls shall be insulated metal panels and incorporate large areas of insulated tinted glass in aluminum curtain wall framing. The roof shall be a membrane roof system installed over metal deck and sloped, rigid insulation. The project will include appropriate fire sprinkler and suppression system, humidity control, heating, ventilation, and air conditioning system (HVAC), lightning protection; and other building systems necessary to produce a complete and usable facility. The facility includes classrooms, conference rooms, reception, lobby, administrative support areas, Sensitive Compartmented Information Facilities (SCIF), Top Secret storage vault, and Emissions Security Compliance (EMSEC). The facility shall incorporate handicap accessibility requirements. This project complies with Department of Defense (DoD) force protection requirements per Unified Facilities Criteria (UFC).</p> <p>Air Conditioning: 94 Tons</p>					
<p>11. Requirement: 4898 SM Adequate: 0 SM Substandard: 0 SM</p> <p>PROJECT: Construct a National Security Space Institute (NSSI). (Current Mission)</p> <p>REQUIREMENT: The establishment of the National Security Space Institute (NSSI) is in direct support of the Congressionally-directed Space Commission which found that DoD "must place a high priority on intensifying investments in career development, education, and training to develop and sustain a cadre of highly competent and</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO			4. PROJECT TITLE NATIONAL SECURITY SPACE INSTITUTE	
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 171-627	7. PROJECT NUMBER TDKA074036B	8. PROJECT COST (\$000) 19,900	
<p>motivated military and civilian space professionals." As the DoD Executive Agent for Space, the Air Force must establish a Joint Space Institute to provide sensitive, classified training to Air Force and other DoD space professionals who will comprise the SECDEF-mandated Space Professional Cadre. Estimated annual student throughput is 1,700-2,000 students. The NSSI must provide space for SCIFs, classified storage, and secure classrooms for classified instruction.</p> <p>CURRENT SITUATION: Presently, the NSSI is temporarily located in leased space comprising 5,295 SM within a contractor's facility in Colorado Springs, approximately 30 minutes drive from Peterson Air Force Base (AFB) and 45 minutes from Schriever AFB. Current annual cost of the lease is \$1.6 million/year and rising. The leased space is not designed to provide the necessary capabilities for an academic environment and does not provide adequate anti-terrorism/force protection (AT/FP) for the cadre and students who will comprise the Space Professional Cadre. The leased space is not cleared to accommodate instruction or discussions at the Special Access Program Special Access Required (SAPSAR) level, forcing Cadre and students to commute to Peterson to use facilities on a space-available basis. The off-base location also forces students to seek off-base accommodations to include meals, lodging, and transportation.</p> <p>IMPACT IF NOT PROVIDED: If a new, on-base NSSI is not constructed, the DoD will continue to incur costs of \$1.6 million/year plus escalation without having the necessary facilities, equipment, and security to create and sustain within the government a trained cadre of military and civilian space professionals. Security and AT/FP measures will continue to be deficient and the synergy of being near the hub of operations of numerous, nationally critical space programs based at Peterson AFB and Schriever AFB will be hampered. The US Air Force may not have the flexibility to make adjustments in facilities and equipment to meet future demands of an advancing space technology and curriculum.</p> <p>ADDITIONAL: This project meets the criteria and scope specified in Air Force Handbook (AFH) 32-1084, "Facility Requirements". An Economic Analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo. Based on the net present values and benefits of respective alternatives, new construction was found to be the most cost efficient 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 Derrek Sanks, commercial 719-556-7631. National Security Space Institute 4,898 SM (52,702 SF).</p> <p>JOINT USE CERTIFICATION: This facility is programmed for joint use with other DOD components; however, it is fully funded by the Air Force.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		4. PROJECT TITLE NATIONAL SECURITY SPACE INSTITUTE	
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 171-627	7. PROJECT NUMBER TDKA074036B	8. PROJECT COST (\$000) 19,900
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			10-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			25-JAN-09
(e) Date Design Complete			25-SEP-09
(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			1,194
(b) All Other Design Costs			597
(c) Total			1,791
(d) Contract			1,600
(e) In-house			191
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 DEC
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
FURNITURE	3400	2011	1,200
COMMUNICATIONS SYSTEMS	3080	2011	600

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM				2. DATE				
INSTALLATION AND LOCATION USAF ACADEMY COLORADO				COMMAND: UNITED STATES AIR FORCE ACADEMY			5. AREA CONST COST INDEX 1.11				
6. Personnel Strength		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 08		929	1011	2483	0	182	0	21	4000	190	8,816
END FY 2014		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 08)											429,549
Authorization Not Yet in Inventory:											46,000
Authorization Requested in this Program:											17,500
Planned in Next Five Years Program:											58,574
Remaining Deficiency:											36,000
Grand Total:											587,623
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)											
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000		DESIGN START		STATUS CMPL	
CODE											
171-157	Cadet Fitness Center Addition			5,019 SM		17,500		Jun-08		Sep-09	
				Total		17,500					
9a. Future Projects: Typical Planned Next Five Years:											
730-835	Emergency Operations Center			2,667 SM		10,300					
730-837	Large Vehicle Search Facility			474 SM		10,295					
171-393	ADAL Observatory Fast Track Telescope			742 SM		8,908					
171-853	Aero-Lab Wind Tunnel Addition			2,729 SM		7,941					
171-853	Center for Character & Leadership Develo			3716 SM		21,130					
				Total		58,574					
9b. Real Property 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			

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION USAF ACADEMY, COLORADO			4. PROJECT TITLE CADET FITNESS CENTER ADDITION		
5. PROGRAM ELEMENT 86076	6. CATEGORY CODE 171-157	7. PROJECT NUMBER XQPZ104004	8. PROJECT COST (\$000) 17,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					13,441
FITNESS CENTER ADDITION		SM	5,019	2,600	(13,049)
ANTITERRORISM FORCE PROTECTION		SM	5,019	26	(130)
SDD & EP ACT 2005		SM	5,019	52	(261)
SUPPORTING FACILITIES					2,407
UTILITIES		LS			(875)
PAVEMENTS		LS			(650)
SITE IMPROVEMENTS		LS			(350)
ASBESTOS REMOVAL		LS			(250)
COMMUNICATIONS		LS			(282)
SUBTOTAL					15,848
CONTINGENCY (5.0%)					792
TOTAL CONTRACT COST					16,640
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					948
TOTAL REQUEST					17,589
TOTAL REQUEST (ROUNDED)					17,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(1,535.0)
10. Description of Proposed Construction: Reinforced concrete slab on grade; foundation; structural steel framing; exterior window curtain walls with aluminum mullions; all supporting building systems; a low-slope modified bitumen roof; interior architectural finishes; site preparation; and development to include walkways, landscaping, appropriate access drives, and all other requirements. Complies with DoD force protection requirements per Unified Facilities Criteria. Air Conditioning: 135 Tons					
11. Requirement: 70403 SM Adequate: 24512 SM Substandard: 40872 SM PROJECT: Construct cadet fitness center addition. (Current Mission) REQUIREMENT: The cadet gymnasium is the single facility that provides space, equipment, and programs essential to all indoor athletic and fitness training for 4,400 cadets. The facility also supports 500 assigned faculty and staff complying with Air Force fit to fight, aviator, and commissioning standards. The facility must provide a full range of capabilities including aerobic, aquatic, strength, and numerous individual and competitive sports venues essential to cadet intramural, intercollegiate, and military training programs (water survival, swimming, unarmed combat, weight training). The facility includes separate locker rooms for male/female cadets and faculty, equipment and materials storage areas, therapy rooms and equipment, and dedicated space for sports requiring large/heavy equipment and materials (gymnastics, boxing, weight training) or unique configurations (racquetball courts, swimming pools, indoor rifle range). This particular facility must be sized and configured to support 800 non-NCAA team sport cadets at one time for personal fitness programs during peak two-hour periods each weekday. CURRENT SITUATION: The existing cadet gymnasium was designed in the late 1950's for 2,200 male cadets and first entered service in 1959. Since it was originally designed for male only cadre, it was inefficiently converted to support co-ed					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION USAF ACADEMY, COLORADO			4. PROJECT TITLE CADET FITNESS CENTER ADDITION	
5. PROGRAM ELEMENT 86076	6. CATEGORY CODE 171-157	7. PROJECT NUMBER XQPZ104004	8. PROJECT COST (\$000) 17,500	
<p>athletics in 1976. The facility is an essential part of the Academy's ability to recruit, train, and sustain highly qualified individuals to be future Air Force officers and community leaders. The facility no longer has adequate space to provide basic individual fitness training for cadets who do not participate in competitive athletic programs at the intercollegiate level. The current facility has not kept pace with current Air Force standards and modern athletic programs and training techniques now common at comparable academic institutions. Many gym functions are operating in converted squash courts; modern aerobic and weight-training machines are squeezed into already constrained and poorly configured spaces or into corridors and hallways creating life safety egress concerns. These congested conditions limit cadets' access during very defined periods when their rigid schedule for Academic and military training allows them to workout. Additional space is required to alleviate these conditions and place the Academy back on par with modern institutional standards. Sixty-five percent of each cadet's Physical Education Average (PEA) is derived from scores on the Physical Fitness Test (PFT) and Aerobic Fitness Test (AFT). Similar to a Grade Point Average (GPA), a minimum cumulative average of 2.00 is required to graduate. All cadets must pass a USAF Commissioning Fitness Test with a minimum 75% score in order to receive a commission upon graduation. Cadets are held to a rigorous graduation standard, although USAFA is unable to provide adequate facilities and equipment to meet this standard. Additional space and equipment to accommodate current cadet demand is necessary to ensure preparation for these rigid commissioning requirements.</p> <p>IMPACT IF NOT PROVIDED: The Academy will not be able to meet the goals established by the AF Chief of Staff (CSAF). Cadets will be ill-prepared to meet demands of the Global War on Terror, lack of training space to pass the physical fitness test, aviator fitness test, and USAF commissioning fitness test, and range and quality of programs necessary to recruit top-quality officer candidates and train them to modern Air Force and institutional standards cannot be met.</p> <p>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, renovation, upgrade/removal, and new construction) indicates there is a single option that will meet operations requirements. Because of this, a full economic analysis was not prepared. 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 Justin Davey, Commercial (719) 333-2660. Add to Cadet Fitness Center: 5,019 SM = 54,029 SF.</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION USAF ACADEMY, COLORADO		4. PROJECT TITLE CADET FITNESS CENTER ADDITION	
5. PROGRAM ELEMENT 86076	6. CATEGORY CODE 171-157	7. PROJECT NUMBER XQPZ104004	8. PROJECT COST (\$000) 17,500
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			10-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			25-JAN-09
(e) Date Design Complete			24-SEP-09
(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 DEC
(5) Construction Start			10 JAN
(6) Construction Completion			11 MAY
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
GYM EQUIPMENT	3080	2011	1,385
FURNISHING	3400	2011	150

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE DELAWARE			4. COMMAND: AIR MOBILITY COMMAND			5. AREA CONST COST INDEX 1.03				
6. Personnel Strength AS OF 30 SEP 08 END FY 2014	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	507	4235	709	0	0	0	0	0	0	
	504	4137	706	0	0	0	0	0	0	5,347
7. INVENTORY DATA (\$000)										
Total Acreage:		3,824								
Inventory Total as of : (30 Sep 08)					1,353,020					
Authorization Not Yet in Inventory:					131,600					
Authorization Requested in this Program:					17,400					
Planned in Next Four Years Program:					47,702					
Remaining Deficiency:					72,000					
Grand Total:					1,621,722					
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)										
CATEGORY						COST	DESIGN	STATUS		
CODE	PROJECT TITLE	SCOPE			\$,000	START	CMPL			
171-618	C-5 Cargo Aircraft Maint Trng Facility, Ph 1	801	SM		5,300	Design Build				
131-111	Consolidated Communications Facility	3,000	SM		12,100	Design Build				
	Total				17,400					
9a. Future Projects: Typical Planned Next Five Years:										
211-111	Maintenance Hangar Phase 1	6,250	SM		26,702					
218-868	Precision Measurement Equipment Lab	925	SM		4,000					
730-773	Chapel Center	1,220	SM		5,000					
730-835	Security Forces Complex	3,700	SM		12,000					
	Total				47,702					
9b. Real Property Maintenance Backlog This Installation (\$M)										110
10. Mission or Major Functions: An airlift wing with one C-5 squadron and one C-17 squadron; and an AFRC Associate C-5 airlift wing.										
11. Outstanding pollution and Safety (OSHA) Deficiencies:										
a. Air pollution					0					
b. Water Pollution					0					
c. Occupational Safety and Health					0					
d. Other Environmental					0					

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE			4. PROJECT TITLE CONSOLIDATED COMMUNICATIONS FACILITY		
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 131-111	7. PROJECT NUMBER FJXT033003	8. PROJECT COST (\$000) 12,100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					7,045
TELEPHONE SWITCH/NETWORK CONTROL CENTER		SM	500	2,700	(1,350)
WAREHOUSE/MAINTENANCE		SM	500	1,200	(600)
ADMINISTRATIVE		SM	2,000	2,450	(4,900)
ANTITERRORISM FORCE PROTECTION		SM	3,000	20	(60)
SDD & EP ACT 05		SM	3,000	45	(135)
SUPPORTING FACILITIES					3,857
UTILITIES		LS			(1,000)
PAVEMENTS		SM	5,000	100	(500)
SITE IMPROVEMENTS		LS			(586)
CABLE VAULT		LS			(750)
DEMOLITION		SM	2,606	200	(521)
COMMUNICATIONS SUPPORT		LS			(500)
SUBTOTAL					10,902
CONTINGENCY (5.0%)					545
TOTAL CONTRACT COST					11,447
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					652
TOTAL REQUEST					12,100
TOTAL REQUEST (ROUNDED)					12,100)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(8,000
<p>10. Description of Proposed Construction: Two story steel frame structure with reinforced concrete foundation, floor slabs, reinforced masonry walls/finish system, sloped metal roof, pavements, elevator, utilities and all necessary support. First floor shall be hardened to house the Network Control Center and Telephone Switch. Other spaces include a communication security vault, base records management, administration and engineering, server room, classified/unclassified networks, computer training classrooms, land mobile radio and administrative offices. Demolishes four facilities (223, 439, 447, 612) in excess of 45 years of age (2,606 SM). This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.</p> <p>Air Conditioning: 200 Tons</p>					
<p>11. Requirement: 3000 SM Adequate: 0 SM Substandard: 3416 SM</p> <p><u>PROJECT:</u> Construct a consolidated communications facility. (Current Mission).</p> <p><u>REQUIREMENT:</u> Adequately sized and properly configured facility to house all the functions of the Communications Squadron. The Network Control Center is a weapons system and the facility is classified as a Priority Level 1 resource and must be protected and hardened. The Network Control Center and Telephone Switch are the communications hubs of the base.</p> <p><u>CURRENT SITUATION:</u> The squadron functions are currently spread among five facilities separated by as much as 1.75 miles. None of these facilities are utilized for their originally designed purpose. The telephone switch, which is in critical need of replacement, is currently operating at 95% of capacity and cannot</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE			4. PROJECT TITLE CONSOLIDATED COMMUNICATIONS FACILITY	
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 131-111	7. PROJECT NUMBER FJXT033003	8. PROJECT COST (\$000) 12,100	
<p>be upgraded as it is past its life expectancy, is located in a fifty year old facility and is inadequately protected for AT/FP and severe weather conditions. The switch and NCC have been deemed Dover AFB critical facilities and must be protected as part of the base's critical infrastructure program. UFC 4-010-01 states that critical facilities "should be designed to significantly higher levels of protection." The existing communication facilities lack this protection. The criticality of these communication resources was validated during a July 2002 USTRANSCOM Infrastructure Vulnerability Assessment (VA), as well as during multiple AMC and local VAs. A new switch will allow a base-wide decrease in communication infrastructure by 60%, ultimately resulting in a \$60K per year contract savings. Comprehensive and integrated communication systems planning is impeded by fragmented location of related functions. Consolidating functions will improve manpower efficiency approximately 25%. In addition consolidation and demolition of old facilities will result in approximately \$17K annual energy savings.</p> <p>IMPACT IF NOT PROVIDED: Over \$200M worth of projects are either under construction or projected to be constructed in the next 2-3 years. Facilities include a new air traffic control facility, numerous C-17 mission related projects, an Army Joint Personal Effects Depot, and an Armed Forces Medical Examiner System facility. Existing communications infrastructure is incapable of adequately supporting these new facilities. All these facilities require state-of-the-art communications support. Communications Squadron command and control will continue to be a problem due to the numerous facilities and distances involved. New capabilities and emerging technologies are difficult and often impossible to implement. The network control center and switch is a priority one resource and is the critical cyber link connecting Dover's warfighting capability to USTRANSCOM's global missions. Without this new consolidated facility, the base will continue to pour valuable O&M resources into maintaining 5 inadequate, delapidated facilities. These 5 facilities accounted for a total of 86 direct-service work orders at a cost of 893 man-hours (\$39,556 in labor) and a total cost of \$47,255 (labor and materials). Without repair, Dover's communication facilities will remain one of the worst in AMC.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Civil Engineering Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates that new construction is the only option that will meet operational requirements. A certificate of exception will be prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Engineer: Lt Col Sherry A. Brown, (302) 677-6768. Comm Facility: 3,000 SM = 32,293 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE		4. PROJECT TITLE CONSOLIDATED COMMUNICATIONS FACILITY	
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 131-111	7. PROJECT NUMBER FJXT033003	8. PROJECT COST (\$000) 12,100
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			360
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
TELEPHONE SWITCH	3080	11	5,000
COMM EQUIPMENT	3080	11	2,000
FURNITURE	3400	11	1,000

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE		4. PROJECT TITLE C-5 CARGO AIRCRAFT MAINTENANCE TRAINING FACILITY, PH 1			
5. PROGRAM ELEMENT 41119	6. CATEGORY CODE 171-618	7. PROJECT NUMBER FJXT103003	8. PROJECT COST (\$000) 5,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,844
MAINTENANCE TRAINING DEVICE FACILITY		SM	615	3,649	(2,244)
ALTER FACILITY 206		SM	186	8,065	(1,500)
ANTITERRORISM/FORCE PROTECTION		SM	615	41	(25)
SDD & EP ACT 2005		SM	615	122	(75)
SUPPORTING FACILITIES					935
UTILITIES		LS			(125)
PAVEMENTS		LS			(650)
SITE IMPROVEMENTS		LS			(110)
COMMUNICATION SUPPORT		LS			(50)
SUBTOTAL					4,779
CONTINGENCY (5.0%)					239
TOTAL CONTRACT COST					5,018
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					286
TOTAL REQUEST					5,304
TOTAL REQUEST (ROUNDED)					5,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(75.0)
10. Description of Proposed Construction: Single story facility with two high bays. Facility to include reinforced concrete foundation and floor slab, masonry exterior walls, metal sloped roof, structural framing, fire protection suppression system, electrical, mechanical, and appurtenances. Alter existing facility to accommodate the addition to the facility and all utilities, site improvements, pavements, and necessary support. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.					
11. Requirement: 1532 SM Adequate: 0 SM Substandard: 186 SM					
PROJECT: Construct a maintenance training device (MTD) facility. (New Mission)					
REQUIREMENT: A maintenance training facility is required to support new Maintenance Training Devices (MTD). The MTD provides tools and classrooms to furnish specialized hands-on instruction for C-17 and C-5M engine maintenance. This facility is essential for initial efficiency maintenance qualification training; skill level upgrade training, proficiency training and system development/augmentation upgrade training. This on-site training facility is essential to provide this initial and on-going training methods and procedures that will otherwise not be available through other training avenues. Facility includes maintenance training device bays, training and briefing/debriefing rooms, and administrative offices. This facility will accommodate students, instructors, maintenance support, and administrative personnel.					
CURRENT SITUATION: Dover AFB does not have a MTD facility. There is no unoccupied facility on base that could be renovated to accomplish this mission. Construction of a new MTD facility is essential to support the C-17 beddown and C-5 Reliability Enhancement and Re-engining Program (RERP).					
IMPACT IF NOT PROVIDED: Without training devices in place, maintenance training					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE			4. PROJECT TITLE C-5 CARGO AIRCRAFT MAINTENANCE TRAINING FACILITY, PH 1	
5. PROGRAM ELEMENT 41119	6. CATEGORY CODE 171-618	7. PROJECT NUMBER FJXT103003	8. PROJECT COST (\$000) 5,300	
<p>will need to be accomplished on assigned operational aircraft. Both maintenance and flying training will be hindered due to lack of adequate training time. The safe operation of the C-17 or C-5M aircraft will not be accomplished without providing a required MTD facility. Training at another location will incur additional TDY costs and a negative impact on maintenance due to maintainers being in transit for training.</p> <p>ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements." This is the first phase of a two phase addition to provide a maintenance training device facility for Dover AFB. The second phase is FJXT113001, Cargo Aircraft Maintenance Training Device Facility. 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, additon/alteration option was found to be the most cost efficient over the life of the project. 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. Base Civil Engineer: Lt Col Sherry Brown, (302) 677-6768. Maintenance Training Device Facility: 615 SM = 6,616 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE		4. PROJECT TITLE C-5 CARGO AIRCRAFT MAINTENANCE TRAINING FACILITY, PH 1	
5. PROGRAM ELEMENT 41119	6. CATEGORY CODE 171-618	7. PROJECT NUMBER FJXT103003	8. PROJECT COST (\$000) 5,300
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			318
(b) All Other Design Costs			159
(c) Total			477
(d) Contract			398
(e) In-house			80
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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)
FF&E	3400	2011	75

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE FLORIDA			4. COMMAND: AIR FORCE MATERIEL COMMAND			5. AREA CONST COST INDEX 0.94				
6. Personnel Strength AS OF 30 SEP 08 END FY 2014	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
	726	2,776	3,156	0	0	0	502	2,552	434	10,146
	726	2,560	3,300	0	0	0	563	2,931	447	10,527
7. INVENTORY DATA (\$000)										
Total Acreage:										463,067
Inventory Total as of : (30 Sep 08)										3,657,509
Authorization Not Yet in Inventory:										117,250
Authorization Requested in this Program:										59,800
Planned in Next Five Years Program:										190,534
Remaining Deficiency:										210,450
Grand Total:										4,235,543
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY		PROJECT TITLE		SCOPE		COST	DESIGN	STATUS		
CODE						\$,000	START	CMPL		
721-312	Dormitory (96 RM)			3,343	SM	11,000	Design	Build		
149-962	F-35 Duke Control Tower			329	SM	3,420	Design	Build		
126-925	F-35 JP8 Flightline Fillstands			2	EA	5,400	May-08	Sep-09		
121-111	F-35 POL Operations Facility			1,039	SM	3,180	May-08	Sep-09		
121-122	F-35 JP8 West Side Bulk Fuel Tank Upgrade			4	EA	960	May-08	Sep-09		
116-662	F-35 Live Ordnance Load Facility			81,300	SM	9,900	May-08	Sep-09		
113-321	F-35 A/C Parking Apron			110,000	SM	16,400	May-08	Sep-09		
121-122	F-35 Hydrant Refueling System, phase I			4	EA	8,100	May-08	Sep-09		
112-211	F-35 Parallel Taxiway Ladder			11,617	SM	1,440	May-08	Sep-09		
				Total		59,800				
9a. Future Projects: Typical Planned Next Five Years:										
934-277	Santa Rosa Island Land Mass Restoration			1	LS	18,000				
730-835	Ground Combat Training Squadron Complex			3,929	SM	18,200				
218-868	Regional PMEL Facility			2,448	SM	12,400				
121-122	F-35 Hydrant Refueling System, Phase II			4	EA	4,800				
211-175	F-35 Squadron Operations/AMU/Hangar			6,400	SM	29,140				
211-179	F-35 Fuel Cell MX Hangar (4 Bay)			2,324	SM	18,700				
841-427	Fire Suppression Water Towers Duke Field			2	EA	2,600				
730-142	Fire Station			2,805	SM	13,500				
742-674	Fitness Center			15,778	SM	29,194				
721-312	Dormitories (192 RM)			6,336	SM	29,000				
721-312	Construct Replacement Dormitory (96 RM)			3,168	SM	15,000				
				Total		190,534				
9b. Restoration and Modernization (R&M) Unfunded Requirement (\$M)										116
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 Materiel 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, and the Federal Bureau of Investigation.										
11. Outstanding pollution and Safety (OSHA Deficiencies):										
a. Air pollution							0			
b. Water Pollution							0			
c. Occupational Safety and Health							0			
d. Other Environmental							0			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE DORMITORY (96 RM)			
5. PROGRAM ELEMENT 72976	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FTFA053025	8. PROJECT COST (\$000) 11,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					8,267
DORMITORY (96 RM)		SM	3,168	2,420	(7,667)
COMMONS BUILDING		SM	175	1,400	(245)
ANTITERRORISM FORCE PROTECTION		LS			(215)
SDD & EP ACT2005		LS			(140)
SUPPORTING FACILITIES					1,640
UTILITIES		LS			(620)
PAVEMENTS		LS			(540)
SITE IMPROVEMENTS		LS			(260)
COMMUNICATIONS		LS			(220)
SUBTOTAL					9,907
CONTINGENCY (5.0%)					495
TOTAL CONTRACT COST					10,402
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					593
TOTAL REQUEST					10,995
TOTAL REQUEST (ROUNDED)					11,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(640
10. Description of Proposed Construction: Multi-story facility with reinforced concrete foundation and floor slabs, masonry walls, and metal roof. Includes Dorms-4-Airmen four-bedroom module design, storage, lounge areas, site preparation, and all other supporting facilities. Also includes separate commons building. Comply with DoD force protection requirements per unified facilities criteria.					
Air Conditioning: 96 Tons Grade Mix: E1-E4 96					
11. Requirement: 920 RM Adequate: 670 RM Substandard: 405 RM					
<u>PROJECT:</u> Dormitory (96 RM). (Current Mission)					
<u>REQUIREMENT:</u> A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The retention of these highly trained Airmen is essential to our readiness posture and continuing world-wide presence.					
<u>CURRENT SITUATION:</u> The base has insufficient adequate on-base housing to accommodate the unaccompanied enlisted personnel. This project is in accordance with the Air Force Dormitory Master Plan.					
<u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, retention and career satisfaction for unaccompanied enlisted personnel.					
<u>ADDITIONAL:</u> This project meets the criteria/scope specified in the uniform barracks construction standard known as "dorm-4-airmen module" established by Air Force. All known alternatives were considered during the development of this					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE DORMITORY (96 RM)	
5. PROGRAM ELEMENT 72976	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FTFA053025	8. PROJECT COST (\$000) 11,000
<p>project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. FY2007 Unaccompanied Housing RPM Conducted: \$85K. FY2008 Unaccompanied Housing RPM Conducted: \$105K. Future Unaccompanied Housing RPM requirements (estimated): FY09: \$108K; FY10: \$111K; FY11: \$116K. 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: Col Dennis D. Yates; (850) 882-2876. Dormitory: 3,168 SM = 34,088 SF; Common Building: 175 SM = 1,884 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE DORMITORY (96 RM)	
5. PROGRAM ELEMENT 72976	6. CATEGORY CODE 721-312	7. PROJECT NUMBER FTFA053025	8. PROJECT COST (\$000) 11,000
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			550
(4) Construction Contract Award			10 JAN
(5) Construction Start			10 FEB
(6) Construction Completion			11 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
FURNISHINGS	3400	2011	600
COMMUNICATIONS	3080	2011	40

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 DUKE CONTROL TOWER			
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 149-962	7. PROJECT NUMBER FTFA053019	8. PROJECT COST (\$000) 3,420		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					3,841
CONTROL TOWER		SM	329	11,119	(3,658)
ANTITERRORISM/FORCE PROTECTION		LS			(92)
SDD & EP ACT 2005		SM	329	278	(91)
SUPPORTING FACILITIES					1,258
UTILITIES		LS			(256)
SITE IMPROVEMENTS		LS			(163)
PAVEMENTS		LS			(622)
EXTERIOR COMMUNICATIONS		LS			(192)
DEMOLITION		LS			(25)
SUBTOTAL					5,099
CONTINGENCY (5.0%)					255
TOTAL CONTRACT COST					5,354
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					305
TOTAL REQUEST					5,659
TOTAL REQUEST (ROUNDED)					3,420
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(500.0)
10. Description of Proposed Construction: Reinforced concrete footings, foundation, floor slabs and walls, thermal glass observation cab, utilities, parking lot, and roadway. Includes mechanical, electrical, and electronic equipment rooms; flight support and training facilities, and administrative offices. Demolishes existing 1,041 square feet (97 square meters) tower, B3039. The project will comply with DoD force protection requirements per Unified Facilities Criteria. Air Conditioning: 20 Tons					
11. Requirement: 1547 SM Adequate: 903 SM Substandard: 97 SM PROJECT: Air Traffic Control Tower. (New Mission) REQUIREMENT: Construct a ten-story aircraft control tower in accordance with USAF Air Traffic Control Tower Design Guide and FAA Order 6480. The structure includes control tower cab, a training and crew briefing room, mechanical rooms, chief air traffic control officer office, administration, back-up generator, utility support, extensive communication support, catwalk around outside of cab, intercom system, security system, an elevator and machinery, and a pad mounted transformer adjacent to the control tower. CURRENT SITUATION: The current base operations houses and provides space for weather station personnel, tower chief controller, airfield manager, airfield management, flight planning room, aircrew lounge, conference room, break room, lobby and common use areas. Current control tower is not large enough to support the increase in the number of controllers working the tower due to the proposed F-35 operations at Duke Field. Also the current control tower does not have appropriate sound attenuation to support F-35 operations. The current control tower is near the end of its useful life and it is not capable of being renovated to meet the standards of the new F-35 mission requirements.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA			4. PROJECT TITLE F-35 DUKE CONTROL TOWER	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 149-962	7. PROJECT NUMBER FTFA053019	8. PROJECT COST (\$000) 3,420	
<p>IMPACT IF NOT PROVIDED: The Joint Strike Fighter (JSF) Program is the Department of Defense's focal point for defining affordable next generation strike aircraft weapon systems for the Navy, Air Force, Marines, and US allies. The focus of the program is affordability -- reducing the development cost, production cost, and cost of ownership of the JSF family of aircraft. Failure to provide a replacement control tower at Duke Field (probable main outer lying field), will result in severe air traffic control issues.</p> <p>ADDITIONAL: This project meets the scope/criteria specified in the Air Force Handbook 32-1084, "Facility Requirements", and "USAF Air Traffic Control Tower Design Guide" and has been validated in the Site Activation Task Force (SATAF) process. The project is conjunctively funded with BRAC. The total project cost is \$5.7M. The Air Force share is \$3.42M while the BRAC share is \$2.28M. 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, (850) 882-2876 (ext. 200). Air Traffic Control Tower: 329 SM = 3,540 SF.</p> <p>JOINT USE CERTIFICATION: This facility is conjunctively programmed for Air Force and BRAC funding.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 DUKE CONTROL TOWER	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 149-962	7. PROJECT NUMBER FTFA053019	8. PROJECT COST (\$000) 3,420
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			
(b) All Other Design Costs			285
(c) Total			
(d) Contract			
(e) In-house			
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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)
EQUIPMENT AND FURNISHINGS	3080	2011	500

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 JP8 FLIGHTLINE FILLSTANDS			
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 126-925	7. PROJECT NUMBER FTFA073904	8. PROJECT COST (\$000) 5,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					4,850
TRUCK FILLSTANDS (600 GPM EACH)		EA	2	225,000	(450)
PUMPHOUSE (1200 GPM WITH SPARE PUMP)		LS			(2,700)
RECIEPT FILTRATION		LS			(1,000)
SUPPLY AND RETURN PIPING FROM TANK		LS			(700)
SUPPORTING FACILITIES					3,250
SITE WORK		LS			(100)
AREA LIGHTS		LS			(100)
SCULLY GROUNDING		EA	2	45,000	(90)
ROAD TO/FROM FILLSTAND		LS			(1,000)
FILLSTAND		EA	2	200,000	(400)
TWO LANE DRIVE AT FILLSTAND		EA	2	75,000	(150)
FILLSTAND, SUPPLY AND RETURN PIPE		LF	3,000	300	(900)
FILLSTAND DRAIN TO OIL/WATER SEPARTOR		EA	2	75,000	(150)
UTILITIES ELECTRICAL FEED & TRANFORMER		LS			(200)
GROUNDING FOR R-11'S		EA	2	5,000	(10)
CONTAINMENT FOR TRUCKS (R-11'S)		EA	2	75,000	(150)
SUBTOTAL					8,100
CONTINGENCY (5.0%)					405
TOTAL CONTRACT COST					8,505
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					485
TOTAL REQUEST					8,990
TOTAL REQUEST (ROUNDED)					5,400
10. Description of Proposed Construction: Construct two JP-8 truck fillstands adjacent to 33 Flying Wing Aircraft Parking Ramp. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.					
11. Requirement: 4 EA Adequate: 2 EA Substandard: 0 EA					
PROJECT: Construct two JP-8 truck fillstands. (New Mission)					
REQUIREMENT: Eglin AFB has been established as an Initial Joint Training Site for the new Joint Strike Fighter (JSF) aircraft (F-35). The scheduled date for stand-up of JSF operations at Eglin AFB is Oct 2009, with the first aircraft scheduled to arrive in the 2nd Quarter of FY10. Included in the buildup are 133 JSF aircraft with a fuel load capacity of approximately 2.7K gallons each. Planned daily flying operations for the JSF are 100 sorties with a total days JP-8 consumption of approximately 270K gallons or 70.2M gallons per year. This will increase Eglin's total annual consumption to 88.4M gallons or a 245% increase. Additional fuels receipt, storage and issue capability is needed to meet projected mission requirements directly related to the basing of the JSF at Eglin AFB.					
CURRENT SITUATION: Currently there are two JP-8 truck fillstands located across the main roadway from the 33 Flying Wing aircraft parking ramp. JP-8 tank trucks servicing aircraft on the 33 ramp currently have to cross the busy roadway to					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA			4. PROJECT TITLE F-35 JP8 FLIGHTLINE FILLSTANDS	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 126-925	7. PROJECT NUMBER FTFA073904	8. PROJECT COST (\$000) 5,400	
<p>replenish their tanks. Providing two additional JP-8 fillstands in close proximity to the flight line area will reduce aircraft refueling response times and reduce the chance for mishap by eliminating the need for the refueling vehicles to cross the busy roadway to replenish tanks.</p> <p>IMPACT IF NOT PROVIDED: The time required for refueling would adversely impact the sortie rate due to the inability to support the fuel demand. The Joint Strike Fighter (JSF) Program is the Department of Defense's focal point for defining affordable next generation strike aircraft weapon systems for the Navy, Air Force, Marines, and US allies. The focus of the program is affordability -- reducing the development cost, production cost, and cost of ownership of the JSF family of aircraft. Failure to provide additional fuels infrastructure needed to support the JSF will result in a decrease in the United States and its ally's homeland defense capability thus reducing the ability to protect future generations worldwide.</p> <p>ADDITIONAL: The criteria/scope for this project was developed utilizing the Eglin Air Force Base Fuel Infrastructure Business Case Analysis; Air Force Handbook 32-1084, Facility Requirements; and validated SATAF requirements. The project will be jointly funded with the Navy. The total project cost is \$8.9M. The Project Cost shown in block 8, \$5.4M, is for the Air Force portion of the project only. The remainder (\$3.5M) is being programmed by the Navy under project P907F. A preliminary analysis of reasonable options was accomplished comparing alternatives of status quo, renovation, addition/alteration, and new construction in the Business Case Analysis. It indicates the only option that will meet operational requirements is new construction. Because of this, a full economic analysis was not performed. A certificate of exception was prepared. Base Civil Engineer: Col Dennis D. Yates (850) 882-2876 (ext. 200). F-35 JP8 Flightline Fillstands: 2 Ea.</p> <p>JOINT USE CERTIFICATION: This facility is programmed for joint use with Navy and will be jointly funded.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 JP8 FLIGHTLINE FILLSTANDS	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 126-925	7. PROJECT NUMBER FTFA073904	8. PROJECT COST (\$000) 5,400
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			540
(b) All Other Design Costs			270
(c) Total			810
(d) Contract			675
(e) In-house			135
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA			4. PROJECT TITLE F-35 POL OPS FACILITY		
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 121-111	7. PROJECT NUMBER FTFA061726	8. PROJECT COST (\$000) 3,180		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,620
POL OPS FACILITY		SM	372	2,690	(1,001)
REFUELER MAINTENANCE FACILITY		SM	667	3,000	(2,001)
CONCRETE PARKING LOT W/ SPILL CONTAINMENT		SM	4,784	100	(478)
ANTITERRORISM/FORCE PROTECTION		LS			(70)
SSD & EP ACT 05		SM	1,039	67	(70)
SUPPORTING FACILITIES					1,186
SECURITY FENCE		LM	277	131	(36)
OIL/WATER SEPERATOR SYSTEM		LS			(150)
VEHICLE MX/CHECKPOINT FACILITY		SM	25	2,000	(50)
DEMOLITION		LS			(150)
SITE WORK		LS			(250)
UTILITIES		LS			(300)
COMMUNICATIONS REQUIREMENTS		LS			(150)
SECURITY CAMERAS/GATES		LS			(100)
SUBTOTAL					4,806
CONTINGENCY (5.0%)					240
TOTAL CONTRACT COST					5,047
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					288
TOTAL REQUEST					5,334
TOTAL REQUEST (ROUNDED)					3,180
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(500.0)
10. Description of Proposed Construction: Construct a single-story sprinkler equipped facility consisting of concrete foundation, split-faced concrete block over steel frame and sloped standing seam metal roof. Building will provide support to 22 R-11 aircraft refueler tankers and associated personnel. Project will demolish existing operations facility, B1304 (98 SM). Project complies with DoD anti-terrorism/force protection requirements per unified facilities criteria. Air Conditioning: 20 Tons					
11. Requirement: 1039 SM Adequate: 0 SM Substandard: 98 SM PROJECT: Construct a POL Operations and Refueler Maintenance Facility. (New Mission). REQUIREMENT: A new POL operations and refueler maintenance facility is necessary to support the beddown of the F-35 Joint Strike Fighter. To meet this requirement, routine maintenance of R-11 refuelers has to be accomplished within proximity of the actual operation. This facility will provide adequate area for administrative, maintenance and operational tasks during the day-to-day operations of a tanker truck refueling operation. CURRENT SITUATION: The current operations facility is 60% smaller than what AFH 32-1084 authorizes for the size/type of operations. The new operation could grow in excess of 57 additional personnel. This facility is in a deteriorated state and					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA			4. PROJECT TITLE F-35 POL OPS FACILITY	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 121-111	7. PROJECT NUMBER FTFA061726	8. PROJECT COST (\$000) 3,180	

is grossly inadequate for the impending operations.

IMPACT IF NOT PROVIDED: The effectiveness and the efficiency of the POL operation suffers with overcrowding in the existing facility. Safety could be compromised with the crowding causing congestion. The Joint Strike Fighter (JSF) Program is the Department of Defense's focal point for defining affordable next generation strike aircraft weapon systems for the Navy, Air Force, Marines, and US allies. The focus of the program is affordability -- reducing the development cost, production cost, and cost of ownership of the JSF family of aircraft.

Failure to provide additional fuels infrastructure needed to support the JSF will result in a decrease in the United States and its ally's homeland defense capability thus reducing the ability to protect future generations worldwide.

ADDITIONAL: This project meets the criteria/scope contained in AFH 32-1084, "Facility Requirements", the Joint Strike Fighter Facility Requirements Document developed by Lockheed Martin Aeronautics Company, and the AETC Eglin Fuels Business Case Analysis as amended to reflect needs validated in the Site Activation Task Force (SATAF) process. The project will be jointly funded with the Navy. The total project cost is \$5.218M. The Project Cost shown in block 8 (\$3.18M) is for the Air Force portion of the project only. The remainder (\$2.1M) is being programmed by the Navy under project P906F. A preliminary analysis of reasonable options was accomplished comparing alternatives of status quo, renovation, addition/alteration, and new construction. It indicates the only option that will meet operational requirements is new construction. Because of this, a full economic analysis was not performed. A certificate of exception was 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, (850) 882-2876 (ext. 200). POL Ops Facility: 1039 SM =11,184 SF.

JOINT USE CERTIFICATION: This facility is programmed for joint use with Navy and will be jointly funded.

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 POL OPS FACILITY	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 121-111	7. PROJECT NUMBER FTFA061726	8. PROJECT COST (\$000) 3,180
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			318
(b) All Other Design Costs			159
(c) Total			477
(d) Contract			398
(e) In-house			80
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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/EQUIPMENT	3080	2011	500

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 JP8 WEST SIDE BULK TANK UPGRADES			
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 121-122	7. PROJECT NUMBER FTFA073905	8. PROJECT COST (\$000) 960		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					1,200
TRUCK OFF-LOAD/LOAD COMBO SKID		EA	4	300,000	(1,200)
SUPPORTING FACILITIES					250
SITE IMPROVEMENTS		EA	1	250,000	(250)
SUBTOTAL					1,450
CONTINGENCY (5.0%)					73
TOTAL CONTRACT COST					1,523
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					87
TOTAL REQUEST					1,609
TOTAL REQUEST (ROUNDED)					960
10. Description of Proposed Construction: Upgrade two existing 1M gallon JP-8 bulk tanks to include tanker truck receipt and R-11 refueling vehicle load capability. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.					
11. Requirement: 4 EA Adequate: 0 EA Substandard: 4 EA					
PROJECT: Upgrade existing JP-8 west side bulk tanks. (New Mission)					
REQUIREMENT: Eglin AFB has been established as an Initial Joint Training Site for the new Joint Strike Fighter (JSF) aircraft (F-35). The scheduled date for stand-up of JSF operations at Eglin AFB is Oct 2009, with the first aircraft scheduled to arrive in the 2nd Quarter of FY10. Each JSF aircraft has a fuel load capacity of approximately 2.7K gallons each. Planned daily flying operations for the JSF are 100 sorties with a total days JP-8 consumption of approximately 270K gallons or 70.2M gallons per year. The JP-8 consumption for the JSF will increase 33 FW current mission demands by approximately 388%. Additional fuels receipt, storage and issue capability is needed to meet projected mission requirements directly related to the basing of the JSF at Eglin AFB.					
CURRENT SITUATION: The two 1M gallon JP-8 bulk storage tanks do not have tanker truck offloading capability needed in the event of interruption in barge resupply and the loading capability is insufficient to meet requirements of the JSF.					
IMPACT IF NOT PROVIDED: The Joint Strike Fighter (JSF) Program is the Department of Defense's focal point for defining affordable next generation strike aircraft weapon systems for the Navy, Air Force, Marines, and US allies. The focus of the program is affordability -- reducing the development cost, production cost, and cost of ownership of the JSF family of aircraft. Failure to provide additional fuels infrastructure needed to support the JSF will result in a decrease in the United States and its ally's homeland defense capability thus reducing the ability to protect future generations worldwide.					
ADDITIONAL: The criteria/scope for this project is contained in AFH 32-1084, "Facility Requirements", the Joint Strike Fighter Facility Requirements Document developed by Lockheed Martin Aeronautics Company, and the AETC Eglin Fuels Business Case Analysis as amended to reflect needs validated in the SATAF process. The project will be jointly funded with the Navy. The total project cost is \$1.56M. The Project Cost shown in block 8 (\$0.96M) is for the Air Force portion of the project only. The remainder (\$0.6M) is being programmed by the Navy under project P905F. A preliminary analysis of reasonable options was accomplished					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 JP8 WEST SIDE BULK TANK UPGRADES	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 121-122	7. PROJECT NUMBER FTFA073905	8. PROJECT COST (\$000) 960
<p>comparing alternatives of status quo, renovation, addition/alteration, and new construction. It indicates the only option that will meet operational requirements is new construction. Because of this, a full economic analysis was not performed. A certificate of exception was prepared. Base Civil Engineer: Col Dennis D. Yates, (850) 882-2876 (ext. 200). F-35 JP8 West Side Bulk Tank Upgrades: 4 Ea.</p> <p>JOINT USE CERTIFICATION: This facility is programmed for joint use with Navy and will be jointly funded.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE																										
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 JP8 WEST SIDE BULK TANK UPGRADES																											
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 121-122	7. PROJECT NUMBER FTFA073905	8. PROJECT COST (\$000) 960																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>14-MAY-08</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>YES</td> </tr> <tr> <td>* (c) Percent Complete as of 01 JAN 2009</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>18-MAR-09</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>30-SEP-09</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>96</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>48</td> </tr> <tr> <td>(c) Total</td> <td>144</td> </tr> <tr> <td>(d) Contract</td> <td>120</td> </tr> <tr> <td>(e) In-house</td> <td>24</td> </tr> </table> <p>(4) Construction Contract Award 10 FEB</p> <p>(5) Construction Start 10 MAR</p> <p>(6) Construction Completion 10 AUG</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>				(a) Date Design Started	14-MAY-08	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of 01 JAN 2009	15%	* (d) Date 35% Designed	18-MAR-09	(e) Date Design Complete	30-SEP-09	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used		(a) Production of Plans and Specifications	96	(b) All Other Design Costs	48	(c) Total	144	(d) Contract	120	(e) In-house	24
(a) Date Design Started	14-MAY-08																												
(b) Parametric Cost Estimates used to develop costs	YES																												
* (c) Percent Complete as of 01 JAN 2009	15%																												
* (d) Date 35% Designed	18-MAR-09																												
(e) Date Design Complete	30-SEP-09																												
(f) Energy Study/Life-Cycle analysis was/will be performed	YES																												
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(d) Contract	120																												
(e) In-house	24																												

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 LIVE ORDNANCE LOAD AREA			
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 116-662	7. PROJECT NUMBER FTFA073911	8. PROJECT COST (\$000) 9,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					12,823
APRON		SM	81,300	150	(12,195)
LOAD CREW SHELTER		SM	185	850	(157)
FLARE FACILITY		SM	185	850	(157)
HOLDING AREA FOR MUNITIONS		SM	2,090	150	(314)
SUPPORTING FACILITIES					2,100
UTILITIES		LS			(750)
AIRFIELD MARKINGS/SIGNAGE		LS			(100)
SITE WORK		LS			(1,000)
ENVIRONMENTAL REMEDIATION		LS			(250)
SUBTOTAL					14,923
CONTINGENCY (5.0%)					746
TOTAL CONTRACT COST					15,669
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					893
TOTAL REQUEST					16,562
TOTAL REQUEST (ROUNDED)					9,900
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(250.0)
10. Description of Proposed Construction: Excavate, fill and grade site for apron addition. Install appropriate stormwater structures. Construct aggregate base course and install aircraft tie-down/ground rods. Construct new PCC, 16 inch depth, including dowel joint assemblies, expansion joints and joint sealant, paint lines and new signage. Provide necessary edge lighting along with area lighting. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.					
11. Requirement: 97423 SM Adequate: 16123 SM Substandard: 0 SM					
PROJECT: Construct live ordnance loading area. (New Mission)					
REQUIREMENT: Eglin AFB has been established as an Initial Joint Training Site for the new Joint Strike Fighter (JSF) aircraft (F-35). The scheduled date for the first F-35 arrival at Eglin AFB is Jan 2010. This Joint Training Site will include a maintenance schoolhouse where 2,000+ crew chiefs, weapons and avionics personnel will come for specific F-35 training on an annual basis. 200+ pilots will receive initial aircraft training via live mission and simulator flights. Pilots are expected to drop live munitions during their training and therefore there must be a location to load these munitions on aircraft taking into account constraints found in applicable UFCs, DoDIs and AFIs.					
CURRENT SITUATION: Eglin AFB currently has the capacity to load NEW 1.1 munitions on seven aircraft at one time by implementing significant workarounds. The seven munitions loading spots are located on the other side of Eglin AFB Main and would require significant taxi times requiring additional fuel, shortening actual mission lengths, and would result in damage to taxiway pavements from prolonged exposure to the F-35 exhaust. The current syllabus and sortie rate could drive as many as 16 aircraft requiring air-to-ground munitions loads at a given time.					
IMPACT IF NOT PROVIDED: The Joint Strike Fighter (JSF) Program is the Department					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 LIVE ORDNANCE LOAD AREA	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 116-662	7. PROJECT NUMBER FTFA073911	8. PROJECT COST (\$000) 9,900
<p>of Defense's focal point for defining affordable next generation strike aircraft weapon systems for the Navy, Air Force, Marines, and US allies. The focus of the program is affordability -- reducing the development cost, production cost, and cost of ownership of the JSF family of aircraft. Failure to provide adequate munitions loading capabilities will result in an inability to train pilots. In turn, this will decrease the United States and its ally's homeland defense capability thus reducing the ability to protect future generations worldwide.</p> <p>ADDITIONAL: The criteria/scope for this project is contained in AFH 32-1084, "Facility Requirements", and the Joint Strike Fighter Facility Requirements Document developed by Lockheed Martin Aeronautics Company as validated in the SATAF process. The project will be conjunctively funded BRAC. The total project cost is \$16.524M. The Air Force share is \$9.9M while the BRAC share is \$6.624M. A preliminary analysis of reasonable options was accomplished comparing alternatives of status quo, renovation, addition/alteration, and new construction. It indicates the only option that will meet operational requirements is new construction. Because of this, a full economic analysis was not performed. A certificate of exception was prepared. Base Civil Engineer: Col Dennis D. Yates, (850) 882-2876 (ext. 200). Aircraft Parking Apron: 81,300 SM = 875,000 SF.</p> <p>JOINT USE CERTIFICATION: This facility is conjunctively programmed with BRAC.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 LIVE ORDNANCE LOAD AREA	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 116-662	7. PROJECT NUMBER FTFA073911	8. PROJECT COST (\$000) 9,900
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			990
(b) All Other Design Costs			495
(c) Total			1,485
(d) Contract			1,238
(e) In-house			248
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 AUG
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
EQUIPMENT AND FURNISHINGS	3080	2011	250

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 A/C PARKING APRON			
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 113-321	7. PROJECT NUMBER FTFA073918	8. PROJECT COST (\$000) 16,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					24,000
APRON		SM	110,000	200	(22,000)
AIRCRAFT POWER/COOLING ELECTRICAL DISTRO		LS			(1,500)
COMMUNICATION/SECURITY DISTRO		LS			(500)
SUPPORTING FACILITIES					1,550
UTILITIES		LS			(500)
AIRFIELD MARKINGS/SIGNAGE		LS			(50)
SITE WORK		LS			(750)
ENVIRONMENTAL REMEDIATION		LS			(250)
SUBTOTAL					25,550
CONTINGENCY (5.0%)					1,278
TOTAL CONTRACT COST					26,828
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					1,529
TOTAL REQUEST					28,357
TOTAL REQUEST (ROUNDED)					16,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(7,915.0)
10. Description of Proposed Construction: Excavate, fill, and grade site for apron addition. Install appropriate stormwater structures. Construct aggregate base course and install aircraft tie-down/ground rods. Construct new PCC, 16 inch depth, including dowel joint assemblies, expansion joints and joint sealant, paint lines, and new signage. Provide necessary edge lighting along with area lighting. Provide necessary electrical and communication distribution to support required cooling and connectivity requirements. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.					
11. Requirement: 1299072 SM Adequate: 1098056 SM Substandard: 91016 SM					
PROJECT: Construct aircraft parking apron. (New Mission)					
REQUIREMENT: Eglin AFB has been established as an Initial Joint Training Site for the new Joint Strike Fighter (JSF) aircraft (F-35). The scheduled date for the first F-35 arrival at Eglin AFB is in second quarter FY10. This Joint Training location will include a maintenance schoolhouse where 2,000+ crew chiefs, weapons and avionics personnel will come for specific F-35 training on an annual basis. 200+ pilots will receive initial aircraft training via live mission and simulator flights. This apron project will include electrical, communication and cooling distribution to support Department of Navy (DoN) operational CONOPS.					
CURRENT SITUATION: The current ramp in the 33 FW area will not have sufficient space to park the required numbers of F-35 aircraft, nor is there communication or power distribution capable of supplying F-35 aircraft with the required resources per the DoN CONOPS at this ramp. The DoN does not use AGE support on their aircraft and rely on hard infrastructure much like what is used onboard ship.					
IMPACT IF NOT PROVIDED: The Joint Strike Fighter (JSF) Program is the Department of Defense's focal point for defining affordable next generation strike aircraft weapon systems for the Navy, Air Force, Marines, and US allies. The focus of the program is affordability -- reducing the development cost, production cost, and cost of ownership of the JSF family of aircraft. Failure to provide parking to					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 A/C PARKING APRON	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 113-321	7. PROJECT NUMBER FTFA073918	8. PROJECT COST (\$000) 16,400
<p>support the JSF at Eglin AFB will result in operational inefficiencies and/or breakdowns, such as not enough spots to accommodate the aircraft resulting in not enough aircraft to accomplish the required training of pilots. In turn, this will decrease the United States and its allies homeland defense capability thus reducing the ability to protect future generations worldwide.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements. The project will be jointly funded with the Navy. The total project cost is \$27.7M. The Project Cost shown in block 8 (\$16.4M) is for the Air Force portion of the project only. The remainder (\$11.3M) is being programmed by the Navy under project P918F. A preliminary analysis of reasonable options was accomplished comparing alternatives of status quo, renovation, addition/alteration, and new construction. It indicates the only option that will meet operational requirements is new construction. Because of this, a full economic analysis was not performed. A certificate of exception was prepared. Base Civil Engineer: Col Dennis D. Yates, (850) 882-2876 (ext. 200). Aircraft Parking Apron: 110,000 SM = 1,184,030 SF.</p> <p>JOINT USE CERTIFICATION: This facility is programmed for joint use with Navy and will be jointly funded.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 A/C PARKING APRON	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 113-321	7. PROJECT NUMBER FTFA073918	8. PROJECT COST (\$000) 16,400
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,740
(b) All Other Design Costs			870
(c) Total			2,610
(d) Contract			2,175
(e) In-house			435
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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)
SIX AIRCRAFT COOLING APPARATUS	3080	2010	3,600
15-AC TO 270 VDC CONVERTERS	3080	2010	975
SUNSHADES	3080	2010	3,040
SECURITY EQUIPMENT	3080	2010	300

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA			4. PROJECT TITLE F-35 HYDRANT REFUELING SYSTEM PHASE I		
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 121-122	7. PROJECT NUMBER FTFA073902	8. PROJECT COST (\$000) 8,100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					9,220
PANOTGRAPH REFUELING ARMS		EA	4	250,000	(1,000)
FUEL DISTRIBUTION PIPING		LF	6,400	300	(1,920)
3000 GPM PUMP HOUSE / CONTROL ROOM		GM	3,000	1,600	(4,800)
AUTOMATED FILTER METER PIT CONTROL STATION		EA	1	1,000,000	(1,000)
HYDROSTATIC LEAK DETECTION SYSTEM		LS			(500)
SUPPORTING FACILITIES					3,650
SITE IMPROVEMENTS		LS			(800)
UTILITIES-ELECRICAL/WATER/SANITARY/EMERGENCY		LS			(1,300)
COMMUNICATIONS		LS			(250)
DEMOLITION		LS			(800)
DIESEL/CATHODIC PROTECTION/ROADS		LS			(500)
SUBTOTAL					12,870
CONTINGENCY (5.0%)					644
TOTAL CONTRACT COST					13,514
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					770
TOTAL REQUEST					14,284
TOTAL REQUEST (ROUNDED)					8,100
10. Description of Proposed Construction: JP-8 Type IV hydrant fueling system capable of simultaneously servicing four aircraft hot pit refueling sites complete with a standard Type IV pump-house with pumps and filter separators. The system will be connected to the existing bulk storage tanks and transfer lines. The existing fuel pump house (Bldg 1304) will be demolished. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.					
11. Requirement: 3000 GM Adequate: 0 GM Substandard: 0 GM					
PROJECT: Construct a JP-8 Type IV Hydrant Refueling System. (New Mission)					
REQUIREMENT: Eglin AFB has been established as an Initial Joint Training Site for the new Joint Strike Fighter (JSF) aircraft (F-35). The scheduled date for stand-up of JSF operations at Eglin AFB is Oct 2009, with aircraft delivery scheduled for the second quarter of FY10. Included in the buildup is 133 JSF aircraft with a fuel load capacity of approximately 2.7K gallons each. Planned daily flying operations for the JSF are 100 sorties with a total days JP-8 consumption of approximately 270K gallons or 70.2M gallons per year. The JP-8 consumption for the JSF will increase 33 FW current mission demands by approximately 388%. Additional fuels receipt, storage and issue capability is needed to meet projected mission requirements directly related to the basing of the JSF at Eglin AFB.					
CURRENT SITUATION: 33 FW area currently has a modified Type II system with four 50K gallon tanks. The tanks are due to be removed in FY09. Thus leaving the ACC/Westside fuels operation without a hydrant system or the ability to hot-pit aircraft.					
IMPACT IF NOT PROVIDED: The Joint Strike Fighter (JSF) Program is the Department of Defense's focal point for defining affordable next generation strike aircraft					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 HYDRANT REFUELING SYSTEM PHASE I	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 121-122	7. PROJECT NUMBER FTFA073902	8. PROJECT COST (\$000) 8,100

weapon systems for the Navy, Air Force, Marines, and US allies. The focus of the program is affordability -- reducing the development cost, production cost, and cost of ownership of the JSF family of aircraft. Failure to provide additional fuels infrastructure needed to support the JSF will result in a decrease in the United States and its ally's homeland defense capability thus reducing the ability to protect future generations worldwide. The 33 FW will be unable to meet the training requirement.

ADDITIONAL: The criteria/scope for this project was developed utilizing the Eglin Air Force Base Fuel Infrastructure Business Case Analysis, AFH 32-1084, Facility Requirements, and validated Site Activation Task Force (SATAF) requirements. The project will be jointly funded with the Navy. The total project cost is \$14.3M. The Project Cost shown in block 8 (\$8.1M) is for the Air Force portion of the project only. The remainder (\$6.2M) is being programmed by the Navy under project P902F. A preliminary analysis of reasonable options was accomplished comparing alternatives of status quo, renovation, addition/alteration, and new construction in the Business Case Analysis. It indicates the only option that will meet operational requirements is new construction. Because of this, a full economic analysis was not performed. A certificate of exception was prepared. Base Civil Engineer: Col Dennis D. Yates (850) 882-2876 (ext. 200). Hydrant Refueling System: 4 Ea.

JOINT USE CERTIFICATION: This facility is programmed for joint use with Navy and will be jointly funded.

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 HYDRANT REFUELING SYSTEM PHASE I	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 121-122	7. PROJECT NUMBER FTFA073902	8. PROJECT COST (\$000) 8,100
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			31-MAR-09
(e) Date Design Complete			30-SEP-09
(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			768
(b) All Other Design Costs			384
(c) Total			1,152
(d) Contract			960
(e) In-house			192
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 AUG
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 PARALLEL TAXI-WAY LADDER			
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 112-211	7. PROJECT NUMBER FTFA083903	8. PROJECT COST (\$000) 1,440		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					1,835
TAXIWAY		SM	6,970	200	(1,394)
ASPHALT SHOULDER		SM	4,647	95	(441)
SUPPORTING FACILITIES					336
UTILITIES		LS			(102)
AIRFIELD MARKINGS/SIGNAGE		LS			(10)
SITE WORK		LS			(173)
ENVIRONMENTAL REMEDIATION		LS			(51)
SUBTOTAL					2,172
CONTINGENCY (5.0%)					109
TOTAL CONTRACT COST					2,280
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					130
TOTAL REQUEST					2,410
TOTAL REQUEST (ROUNDED)					1,440
10. Description of Proposed Construction: Excavate, fill, and grade site for taxiway extension. Install appropriate stormwater structures and lighting. Construct new 16 inch PCC, including expansion joints and sealants, paint lines, and new signage. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.					
11. Requirement: 11617 SM Adequate: 0 SM Substandard: 0 SM					
PROJECT: Construct Parallel Taxiway Ladder. (New Mission)					
REQUIREMENT: Eglin AFB has been established as an Initial Joint Training Site for the new Joint Strike Fighter (JSF) aircraft (F-35). The scheduled date for the first F-35 arrival at Eglin AFB is the second quarter of FY10. This Joint Training Site will include a maintenance schoolhouse where 2,000+ crew chiefs, weapons and avionics personnel will come for specific F-35 training on an annual basis. 200+ pilots will receive initial aircraft training via live mission and simulator flights.					
CURRENT SITUATION: The current runway apex (located at the 01 & 30 ends) has limited "by-pass" capability. The current taxiway system is already congested with the existing missions on the West and East sides of the flightline. Once F-35s are on the ground, traffic congestion becomes a major concern due to short taxi times associated with the F-35s thermal management system. An aircraft landing runway 30 would have to taxi across runway 01/19 twice to get back to taxiway H.					
IMPACT IF NOT PROVIDED: The Joint Strike Fighter (JSF) Program is the Department of Defense's focal point for defining affordable next generation strike aircraft weapon systems for the Navy, Air Force, Marines, and US allies. The focus of the program is affordability -- reducing the development cost, production cost, and cost of ownership of the JSF family of aircraft. Failure to provide additional taxiway to support the JSF at Eglin AFB will result in operational inefficiencies, such as aircraft shutting down on the taxiway due to the thermal management system, as well as not allowing the JSF program to adequately train pilots. In turn, this will decrease the United States and its ally's homeland defense capability thus reducing the ability to protect future generations worldwide.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 PARALLEL TAXI-WAY LADDER	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 112-211	7. PROJECT NUMBER FTFA083903	8. PROJECT COST (\$000) 1,440
<p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements. The project will be jointly funded with the Navy. The total project cost is \$2.34M. The Project Cost shown in block 8 (\$1.44M) is for the Air Force portion of the project only. The remainder (\$0.9M) is being programmed by the Navy under project P909F. A preliminary analysis of reasonable options was accomplished comparing alternatives of status quo, renovation, addition/alteration, and new construction. It indicates the only option that will meet operational requirements is new construction. Because of this, a full economic analysis was not performed. A certificate of exception will be prepared. Base Civil Engineer: Col Dennis D. Yates, (850) 882-2876 (ext. 200). Taxiway Ladder Extension: 11,617 SM = 13,894 SY.</p> <p>JOINT USE CERTIFICATION: This facility is programmed for joint use with Navy and will be jointly funded.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		4. PROJECT TITLE F-35 PARALLEL TAXI-WAY LADDER	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 112-211	7. PROJECT NUMBER FTFA083903	8. PROJECT COST (\$000) 1,440
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			144
(b) All Other Design Costs			72
(c) Total			216
(d) Contract			180
(e) In-house			36
(4) Construction Contract Award			10 MAR
(5) Construction Start			10 MAR
(6) Construction Completion			10 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 2010 MILITARY CONSTRUCTION PROGRAM				2. DATE			
INSTALLATION AND LOCATION HURLBURT FIELD FLORIDA			COMMAND: AIR FORCE SPECIAL OPERATIONS COMMAND			5. AREA CONST COST INDEX 0.94				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 Sep 08	1,250	5,304	784	0	0	0	173	784	100	8,395
END FY 2014	1,259	5,332	783	0	0	0	173	784	100	8,431
7. INVENTORY DATA (\$000)										
Total Acreage: 6,634										
Inventory Total as of : (30 Sep 08) 936,711										
Authorization Not Yet in Inventory: 32,950										
Authorization Requested in this Program: 10,500										
Planned in Next Five Year Program: 69,210										
Remaining Deficiency: 126,850										
Grand Total: 1,176,221										
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)										
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000		DESIGN START		STATUS
CODE										
214-467		Refueling Vehicle Maintenance		427	SM	2,200		Mar-08		Sep-09
814-231		Electrical Distribution Substation		1	EA	8,300		Design build		
		Total				10,500				
9a. FUTURE PROJECTS: Typical Planned Next Five Years:										
442-758		Base Logistics Facility		14,405	SM	25,000				
141-454		ADAL USAF Special Ops School		1,845	SM	6,500				
724-417		ADAL Visiting Quarters		1,200	SM	4,000				
610-121		Vehicle Ops Admin Center		1,687	SM	6,536				
730-441		AF Operational Exercise, Simulation, and Training Center		2,625	SM	10,000				
730-441		Professional Development and Ed Cntr		1,560	SM	8,474				
141-753		Flight Test Operations Facility		3,140	SM	8,700				
		Total				69,210				
9b. REAL PROPERTY MAINTENANCE BACKLOG THIS INSTALLATION: (\$M) 112										
10. MISSION OR MAJOR FUNCTIONS: Headquarters Air Force Special Operations Command; a Special Operations Wing (SOW) with AC-130, MC-130, MH-53, CV-22, Non-Standard Aviation (NSA), and Aviation Foreign Affairs Special Operations Squadrons (SOS); Air Force Special Operations School; a Special Tactics Group (STG); Air Force Command and Control Training & Innovation Group; a RED HORSE squadron; and the Air Force Combat Weather Center.										
11. OUTSTANDING POLLUTION AND SAFETY (OSHA) DEFICIENCIES:										
		a. Air pollution								0
		b. Water Pollution								0
		c. Occupational Safety and Health								0
		d. Other Environmental								0

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION HURLBURT FIELD, FLORIDA		4. PROJECT TITLE REFUELING VEHICLE MAINTENANCE FACILITY			
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 214-467	7. PROJECT NUMBER FTEV043000	8. PROJECT COST (\$000) 2,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					1,271
REFUELING VEHICLE SHOP		SM	427	2,889	(1,234)
ANTITERRORISM/FORCE PROTECTION		LS			(12)
SDD & EP ACT 05		SM	427	59	(25)
SUPPORTING FACILITIES					711
UTILITIES		LS			(99)
PAVEMENTS		LS			(86)
SITE IMPROVEMENTS		LS			(126)
COMMUNICATION SYSTEM		LS			(120)
DEMOLITION & ACM ABATEMANT		SM	287	420	(121)
CONTAMINATED SOIL REMOVAL		CM	4,000	40	(160)
SUBTOTAL					1,982
CONTINGENCY (5.0%)					99
TOTAL CONTRACT COST					2,081
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					119
TOTAL REQUEST					2,200
TOTAL REQUEST (ROUNDED)					2,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(70.0)
10. Description of Proposed Construction: Concrete foundation and floor slab, steel structure, masonry walls and sloping metal roof. Includes utilities, pavements, demolition of one metal building, B90023 (287 SM) and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria. Air Conditioning: 12 Tons					
11. Requirement: 427 SM Adequate: 0 SM Substandard: 287 SM PROJECT: Construct a Refueling Vehicle Maintenance Facility (Current Mission). REQUIREMENT: This project is required to provide an adequate facility to service and repair refueling vehicles. AFOSH STD 127-20 prohibits servicing and repairing fuel servicing tank units and hydrant hose trucks in maintenance shops with other vehicles; therefore, regulations require a separately sited maintenance and repair facility. The existing facility was built for older models which are narrower and shorter. CURRENT SITUATION: From FY06-13, Hurlburt Field aircraft will increase by 23% which will increase the number of refuelers required. The existing refueling vehicle maintenance facility is over 40 years old and is totally inadequate to support the refueler fleet at Hurlburt Field. The new refuelers are 9 feet wide, 38 feet long, 8.5 feet tall. The existing facility has inadequate clearance in all directions to safely perform maintenance operations. This increases the risk to maintenance personnel, the refueler units and the building. Personnel are required to wear hard hats due to height restrictions. The existing facility does not have an exhaust system so overhead doors have to stay open during vehicle maintenance. Further, the existing metal building was not constructed to meet current hurricane					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HURLBURT FIELD, FLORIDA			4. PROJECT TITLE REFUELING VEHICLE MAINTENANCE FACILITY	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 214-467	7. PROJECT NUMBER FTEV043000	8. PROJECT COST (\$000) 2,200	
<p>resistance requirements, thus making it an ineffective hurricane shelter for refueling vehicles. There are no facilities on base that could be used or converted for this requirement.</p> <p>IMPACT IF NOT PROVIDED: The refueling vehicle maintenance shop will continue to be housed in an inadequate facility which will affect the efficient support of the mission and degrade readiness due to lack of refueling capability for the aircraft. The mission in the long run will be impacted by the lack of capability to work on R-11s safely, non-compliance with OSHA and EPA standards of air movement and the capability to safely move the larger R-11s into and out of the fuel maintenance bays. This facility has an inadequate oil/water separator, which if it were to fail would shut-down this facility and leave no capability to perform maintenance on refueling equipment.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options to accomplish this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates that there is only one option that will meet the operational requirement. 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: Steven M. Loken, Lt Col, USAF, 850-884-7701. Refueling Vehicle Maintenance Facility: 427 SM = 4596 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HURLBURT FIELD, FLORIDA		4. PROJECT TITLE REFUELING VEHICLE MAINTENANCE FACILITY	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 214-467	7. PROJECT NUMBER FTEV043000	8. PROJECT COST (\$000) 2,200
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			30-MAR-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			132
(b) All Other Design Costs			66
(c) Total			198
(d) Contract			165
(e) In-house			33
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			10 DEC
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
PREWIRED WORKSTATIONS	3400	2011	45
COMMUNICATION EQUIPMENT	3400	2011	25

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION HURLBURT FIELD, FLORIDA		4. PROJECT TITLE ELECTRICAL DISTRIBUTION SUBSTATION			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 813-231	7. PROJECT NUMBER FTEV053005	8. PROJECT COST (\$000) 8,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					7,268
ELECTRICAL SUBSTATION		LS			(5,400)
UNDERGROUND DISTRIBUTION SYSTEM		LS			(1,706)
SDD & EP ACT 05		LS			(108)
ANTITERRORISM/FORCE PROTECTION		LS			(54)
SUPPORTING FACILITIES					220
UTILITIES		LS			(50)
PAVEMENTS		LS			(50)
SITE IMPROVEMENTS		LS			(120)
SUBTOTAL					7,488
CONTINGENCY (5.0%)					374
TOTAL CONTRACT COST					7,863
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					448
TOTAL REQUEST					8,311
TOTAL REQUEST (ROUNDED)					8,300
10. Description of Proposed Construction: Construct electrical distribution substation on the East Side. Provide connections to existing feeder circuits by underground distribution systems, and new switchgear. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.					
11. Requirement: 33075 KV Adequate: 18075 KV Substandard: 0 KV					
PROJECT: Construct Electrical Distribution Substation. (Current Mission)					
REQUIREMENT: This project is required to provide a second utility tie to the base and associated distribution system due to the facility growth on the east side of the base. In addition to providing more reliability, this will also allow substation maintenance to be accomplished without a base wide power outage.					
CURRENT SITUATION: Current substation is nearing maximum capacity due to recent mission growth. It is difficult to perform maintenance or repairs on existing substation without a base outage. In addition to scheduled base wide outages for recurring maintenance, Hurlburt Field has experienced several unscheduled base wide outages due to switch failure, and natural occurrences such as hurricanes. The electrical distribution system was evaluated by HQ AMC Installation & Mission Support Infrastructure Team between 30 November and 3 December 2004 and was rated degraded due primarily to a lack of a second source of commercial power through a second substation and the inability to back-feed power between two substations. Currently the base electrical consumption peaks at 90% of its capacity in the summer. Based on the last seven year's load growth, and depending on summer temperatures and future load growth, it is estimated that the base capacity could be maxed out by the summer of 2011, barring any unforeseen failures.					
IMPACT IF NOT PROVIDED: If the 115 KV transmission line, 115 KV or 12.47 KV side of the existing west side substation loses power, then all of Hurlburt Field is without commercial power. This time to restore power depends on the nature of the outage and time to make repairs. In addition hurricane damage to the line feeding the base could significantly delay mission restoration.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HURLBURT FIELD, FLORIDA		4. PROJECT TITLE ELECTRICAL DISTRIBUTION SUBSTATION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 813-231	7. PROJECT NUMBER FTEV053005	8. PROJECT COST (\$000) 8,300
<p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options to accomplish this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates that there is only one option that will meet the operational requirement, 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. Base Civil Engineer: Steven M. Loken, Lt Col, USAF, 850-884-7701. Electrical Substation: 15,000 KV.</p> <p>JOINT USE CERTIFICATION: This is an installation utility/infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HURLBURT FIELD, FLORIDA		4. PROJECT TITLE ELECTRICAL DISTRIBUTION SUBSTATION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 813-231	7. PROJECT NUMBER FTEV053005	8. PROJECT COST (\$000) 8,300
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-APR-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			498
(b) All Other Design Costs			249
(c) Total			747
(d) Contract			623
(e) In-house			125
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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: N/A			

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM				2. DATE			
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 08	295	1,967	441	0	0	0	2,881	3,867	1,379	10,830
END FY 2014	295	1,967	441	0	0	0	2,881	3,867	1,379	10,830
7. INVENTORY DATA (\$000)										
a. Total Acreage: 5,767										
b. Inventory Total as of : (30 Sep 08) 2,260,301										
c. Authorization Not Yet in Inventory: 280,435										
d. Authorization Requested in this Program: 24,100										
f. Planned in Next Five Years Program: 53,500										
g. Remaining Deficiency: 64,500										
h. Grand Total: 2,682,836										
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)										
CATEGORY					COST	DESIGN	STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>				<u>SCOPE</u>	<u>\$,000</u>	<u>START</u>	<u>CMPL</u>		
610-284	CENTCOM Commandant Facility				6,565 SM	15,300	Design	Build		
740-884	Child Development Center				2,890 SM	7,000	Design	Build		
721-312	Dormitory (120 Room)				3,958 SM	16,000	May-08	Sep-09		
Total						24,100				
9a. Future Projects: Typical Planned Next Five Years:										
852-260	CENTCOM Parking Garage				1 LS	42,000				
610-243	Mission Support Facility				2,787 SM	11,500				
Total						53,500				
9b. 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										

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		4. PROJECT TITLE DORMITORY (120 RM)			
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 721-312	7. PROJECT NUMBER NVZR063708	8. PROJECT COST (\$000) 16,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					10,848
DORMITORY (120 RM)		SM	3,958	2,634	(10,425)
ANTITERRORISM/FORCE PROTECTION		SM	3,958	27	(108)
SDD & EP ACT 2005		SM	3,958	55	(216)
INTERIOR COMMUNICATIONS SUPPORT		SM	3,958	25	(98)
SUPPORTING FACILITIES					3,546
DEMOLITION		SM	685	215	(147)
EXTERIOR COMMUNICATIONS SUPPORT		LS			(391)
UTILITIES		LS			(606)
SITE IMPROVEMENTS		LS			(523)
PAVEMENTS		LS			(1,879)
SUBTOTAL					14,395
CONTINGENCY (5.0%)					720
TOTAL CONTRACT COST					15,114
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					862
TOTAL REQUEST					15,976
TOTAL REQUEST (ROUNDED)					16,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(800.0)
10. Description of Proposed Construction: Three-story facility with reinforced concrete foundation, floor slabs, concrete masonry units exterior walls covered with stucco, and standing seam metal roof system. Includes Dorms-4-Airmen four-bedroom module design, storage, lounge areas, site preparation, pavements, and all supporting facilities. Demolishes a 685 SM facility. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.					
Air Conditioning: 150 Tons Grade Mix: E1-E4 120					
11. Requirement: 440 RM Adequate: 80 RM Substandard: 270 RM					
PROJECT: Construct a 120 room dormitory. (Current Mission)					
REQUIREMENT: A major Air Force Objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The retention of these highly trained Airmen is essential to our readiness posture and continuing world-wide presence.					
CURRENT SITUATION: Four of the existing five dorms were constructed in the 1960's and require significant renovation. However, significant renovation will trigger mandatory compliance with antiterrorism/force protection criteria and these existing dorms do not meet minimum standoff distances. Therefore, the Dorm Master Plan recommends new construction as the most cost effective and feasible solution.					
IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, retention, and career satisfaction for unaccompanied enlisted personnel.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		4. PROJECT TITLE DORMITORY (120 RM)	
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 721-312	7. PROJECT NUMBER NVZR063708	8. PROJECT COST (\$000) 16,000
<p>ADDITIONAL: This project meets the criteria/scope specified in the uniform barracks construction standard known as "dorm-4-airmen module" established by the Air Force and AFH 32-1084, "Facility Requirements." A preliminary analysis was conducted comparing alternatives of status quo, renovation, and new construction. It indicates that new construction is the only option that will meet operational requirements. A certificate of exception will be prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. FY2007 Unaccompanied Housing RPM Conducted: \$140K. FY2008 Unaccompanied Housing RPM Conducted: \$146K. Future Unaccompanied Housing RPM requirements (estimated): FY09: \$149K; FY10: \$152K; FY11: \$155K. Base Civil Engineer: Robert B. Hughes, (813) 828-3577. Dormitory: 3,958 SM = 42,600 SF.</p> <p>JOINT USE CERTIFICATION: This facility is programmed for joint use with the Army, Navy and Marines; however, it is fully funded by the Air Force.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		4. PROJECT TITLE DORMITORY (120 RM)	
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 721-312	7. PROJECT NUMBER NVZR063708	8. PROJECT COST (\$000) 16,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			30-JAN-09
(e) Date Design Complete			30-SEP-09
(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			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS EQUIPMENT	3080	2011	60
FURNISHINGS	3400	2011	740

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		4. PROJECT TITLE CHILD DEVELOPMENT CENTER		
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 740-884	7. PROJECT NUMBER NVZR073723	8. PROJECT COST (\$000) 7,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				4,625
CHILD DEVELOPMENT CENTER	SM	1,563	2,846	(4,448)
ANTITERRORISM/FORCE PROTECTION MEASURES	SM	1,563	28	(44)
SDD & EP ACT 2005	SM	1,563	57	(89)
INTERIOR COMMUNICATIONS	SM	1,563	28	(44)
SUPPORTING FACILITIES				1,683
UTILITIES	LS			(230)
PAVEMENTS	LS			(300)
SITE IMPROVEMENTS	LS			(400)
DEMOLITION	SM	1,408	228	(321)
EXTERIOR COMMUNICATIONS	LS			(106)
SPECIAL SITE CONDITIONS	LS			(326)
SUBTOTAL				6,308
CONTINGENCY (5.0%)				315
TOTAL CONTRACT COST				6,623
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				378
TOTAL REQUEST				7,001
TOTAL REQUEST (ROUNDED)				7,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(357
10. Description of Proposed Construction: Construction of a one-story facility with reinforced concrete foundation and floor slab, masonry walls, stucco exterior, standing seam metal roof, fire detection/suppression system, HVAC, utilities, parking, site improvements, O&M manuals and other required support. Demolishes CDC #1, Bldg 381 (1,408 SM). Complies with DoD antiterrorism/force protection requirements per Unified Facilities Criteria. Air Conditioning: 55 Tons				
11. Requirement: 5156 SM Adequate: 3593 SM Substandard: 1408 SM <u>PROJECT:</u> Construct a Child Development Center (CDC). (Current Mission) <u>REQUIREMENT:</u> Facility designed to accommodate working parents 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. Total Child Development Center space is required for 534 children. <u>CURRENT SITUATION:</u> MacDill has two existing child development centers. One existing child development center will accommodate 307 children after renovation. This project will replace the other child development center and provide space for 114 children. <u>IMPACT IF NOT PROVIDED:</u> Adequate child development programs will continue to be insufficient for eligible patrons at MacDill AFB. Children and parents will continue to be denied service due to lack of adequate space to support these				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		4. PROJECT TITLE CHILD DEVELOPMENT CENTER	
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 740-884	7. PROJECT NUMBER NVZR073723	8. PROJECT COST (\$000) 7,000
<p>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.</p> <p><u>ADDITIONAL:</u> 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: Robert B. Hughes, (813) 828-3577. Child Development Center: 1,563 SM = 16,824 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE								
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		4. PROJECT TITLE CHILD DEVELOPMENT CENTER									
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 740-884	7. PROJECT NUMBER NVZR073723	8. PROJECT COST (\$000) 7,000								
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) All Other Design Costs 350</p> <p>(4) Construction Contract Award 10 FEB</p> <p>(5) Construction Start 10 MAR</p> <p>(6) Construction Completion 11 MAR</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed YES</p> <p>b. Equipment associated with this project provided from other appropriations:</p> <table border="0" data-bbox="272 945 1380 1060"> <thead> <tr> <th data-bbox="272 987 730 1018">EQUIPMENT NOMENCLATURE</th> <th data-bbox="730 955 941 1018">PROCURING APPROPRIATION</th> <th data-bbox="941 945 1266 1018">FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th data-bbox="1266 955 1380 1018">COST (\$000)</th> </tr> </thead> <tbody> <tr> <td data-bbox="272 1029 730 1060">FURNISHINGS</td> <td data-bbox="730 1029 941 1060">3080</td> <td data-bbox="941 1029 1266 1060">2011</td> <td data-bbox="1266 1029 1380 1060">357</td> </tr> </tbody> </table>				EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	FURNISHINGS	3080	2011	357
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)								
FURNISHINGS	3080	2011	357								

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		4. PROJECT TITLE CENTCOM COMMANDANT FACILITY			
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 610-284	7. PROJECT NUMBER NVZR103704R1	8. PROJECT COST (\$000) 15,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					11,388
ADMINISTRATIVE AREA		SM	2,171	3,500	(7,599)
WAREHOUSE AREA		SM	1,394	2,422	(3,376)
ANTITERRORISM/FORCE PROTECTION		SM	3,565	29	(103)
SDD & EP ACT 2005		SM	3,565	58	(207)
INTERIOR COMMUNICATIONS SUPPORT		SM	3,565	29	(103)
SUPPORTING FACILITIES					2,394
UTILITIES		LS			(417)
PAVEMENTS		LS			(908)
SITE IMPROVEMENTS		LS			(569)
EXTERIOR COMMUNICATIONS SUPPORT		LS			(500)
SUBTOTAL					13,782
CONTINGENCY (5.0%)					689
TOTAL CONTRACT COST					14,471
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					825
TOTAL REQUEST					15,296
TOTAL REQUEST (ROUNDED)					15,300)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(5,193
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 any other work associated with this project. Complies with DoD antiterrorism/force protection requirements per unified facilities criteria.					
Air Conditioning: 130 Tons					
11. Requirement: 7837 SM Adequate: 4272 SM Substandard: 4978 SM					
<u>PROJECT:</u> Construct a CENTCOM Commandant Facility. (Current Mission)					
<u>REQUIREMENT:</u> SOCCENT is a subordinate unified command of the United States Central Command (USCENTCOM), whose mission is to execute a full range of special operations to support the Global War on Terror and other Regional Wars on Terror. In order to accomplish this mission, a secure facility is required to accommodate the Joint Special Operations Air Component, train increasing numbers of personnel, and store authorized equipment. Capability to coordinate air operations and 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. In addition, the Cultural Engagement Group (CEG) space is required to be a Sensitive Compartmented Intelligence Facility (SCIF) to conduct analysis, cultural studies and implements assessments to provide USCENTCOM with accurate and comprehensive situational awareness on the employment of US forces in the AOR. No other facility that meets regulatory security requirements and has a readily available flight line access is available on base to house SOCCENT.					
<u>CURRENT SITUATION:</u> Due to cost constraints, the Commandant requirement was removed					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA			4. PROJECT TITLE CENTCOM COMMANDANT FACILITY	
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 610-284	7. PROJECT NUMBER NVZR103704R1	8. PROJECT COST (\$000) 15,300	
<p>from the FY09 SOCCENT HQ MILCON (NVZR923703) project scope. Furthermore, in Sep 08 USSOCOM validated 57 additional manpower billets to SOCCENT permanent party positions to begin arriving in FY09. These factors result in a shortfall of 137 permanent party positions which are not included in the original FY09 SOCCENT HQ MILCON. The Commandant and CEG currently operate from several substandard buildings and modular temporary facilities originally built as alert facilities during the Cold War era. These facilities require an inordinate amount of repair and maintenance to provide a safe and usable environment. Space is not available to accommodate present manning requirements. Storage space is grossly insufficient and, in some areas, unavailable. Operational capability is limited due to outdated technology, including electrical and cable access, and inadequate training and briefing areas.</p> <p><u>IMPACT IF NOT PROVIDED:</u> SOCCENT Commandant and Cultural Engagement Group (CEG) will be geographically separated by 5.5 miles from their parent SOCCENT HQ Staff, therefore degrading efficiency and complicating coordination among symbiotic directorates. These "left behind" functions will continue to operate from facilities which lack fire protection (sprinklers, ingress/ egress routes, alarm systems) and are located at the maximum allowable distance for Fire/Security Forces response time. Furthermore, 7,920 SF of Temporary facilities are required for the CEG to operate costing \$465K a year to lease. Without this complex, SOCCENT will not meet the requirement of providing satisfactory command and control of Joint Special Operations and will not be able to efficiently train, store or deploy its personnel and equipment.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in AFH 32-1084, "Civil Engineering Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/remove, 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 will be 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. Cost estimate was developed based on recent bids received for similar facilities being constructed at MacDill AFB. Base Civil Engineer: Robert B. Hughes, 813-828-3577 (Admin and Warehouse areas 3,565 SM = 38,363 SF)</p> <p><u>JOINT USE CERTIFICATION:</u> Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		4. PROJECT TITLE CENTCOM COMMANDANT FACILITY	
5. PROGRAM ELEMENT 41976	6. CATEGORY CODE 610-284	7. PROJECT NUMBER NVZR103704R1	8. PROJECT COST (\$000) 15,300
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			765
(4) Construction Contract Award			10 JAN
(5) Construction Start			10 FEB
(6) Construction Completion			11 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS EQUIPMENT	3080	2011	4,214
FURNISHINGS	3400	2011	979

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE		
INSTALLATION AND LOCATION Wheeler Air Force Base, Hawaii HAWAII				COMMAND: PACIFIC AIR FORCES			5. AREA CONST COST INDEX 1.66			
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	AS OF 30 SEP 08	10	151	0	0	0	0	0	0	
END FY 2014	10	151	0	0	0	0	0	0	161	
7. INVENTORY DATA (\$000)										
Total Acreage: 2,500										
Inventory Total as of : (30 Sep 08) 79,887										
Authorization Not Yet in Inventory: 0										
Authorization Requested in this Program: 15,000										
Planned in Next Five Years Program: 0										
Remaining Deficiency: 0										
Grand Total: 94,887										
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY					COST	DESIGN	STATUS			
CODE	PROJECT TITLE				SCOPE	\$,000	START	CMPL		
141-753	Construct ASOC Complex				3,290 SM	\$15,000	May-08	Sep-09		
					Total	\$15,000				
9a. Future Projects: Typical Planned Next Five Years: None										
9b. Real Property Maintenance Backlog This Installation: (\$M)										122
10. Mission or Major Functions: Incorporate ASOC operations that provide command and control of air and space assets supporting 25 ID commander and/or Senior Unit of Employment The unit will gain an ASOC flight comprised of 54 personnel, 14 prime movers and 9 trailers.										
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION WHEELER AIR FORCE BASE, HAWAII		4. PROJECT TITLE CONSTRUCT ASOC COMPLEX			
5. PROGRAM ELEMENT 27418	6. CATEGORY CODE 141-753	7. PROJECT NUMBER YVEW083003	8. PROJECT COST (\$000) 15,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					10,968
UPGRADE ASOC FACILITY (B203)		SM	2,010	3,500	(7,035)
UPGRADE ASOC FACILITY (B204)		SM	500	2,500	(1,250)
WEAPONS SYSTEM/VEHICLE STORAGE FACILITY		SM	780	3,018	(2,354)
SDD & EP ACT 05		SM	2,510	101	(254)
ANTITERRORISM / FORCE PROTECTION		SM	2,510	30	(75)
SUPPORTING FACILITIES					2,455
CONSTRUCT PARKING LOT		SM	1,670	120	(200)
RESURFACE MOTOR POOL		SM	3,200	125	(400)
SITE IMPROVEMENTS		LS			(200)
ARCHAEOLOGICAL MONITORING		LS			(120)
CONTAMINATED SOIL REMEDIATION		LS			(250)
COMMUNICATIONS		LS			(400)
UTILITIES		LS			(80)
HAZARDOUS MATERIAL DISPOSAL		LS			(200)
EXTERIOR FAC WASH RACK AND HAZMAT STORAGE		SM	35	3,000	(105)
OIL WATER SEPARATOR		LS			(500)
SUBTOTAL					13,423
CONTINGENCY (5.0%)					671
TOTAL CONTRACT COST					14,094
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					916
TOTAL REQUEST					15,011
TOTAL REQUEST (ROUNDED)					15,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(250
<p>10. Description of Proposed Construction: Upgrade existing ASOC complex buildings B203 and B204. Construct parking lot, excavation, grading, interior modernization, painting, construct armory, roofing system, fire detection/suppression system, architectural, electrical, air conditioning, demolition of pavement, site work, oil water separator, wash rack, battery storage shed, open-sided covered parking/storage for rolling stock and storage space for individual issue and field equipment storage, demolition, archaeological monitoring, and necessary support. This project will comply with DoD anti-terrorism/force protection requirements per unified facilities criteria.</p> <p>Air Conditioning: 60 Tons</p>					
<p>11. Requirement: 3230 SM Adequate: 0 SM Substandard: SM</p> <p><u>PROJECT:</u> Construct/upgrade 25 Air Support Operations Center (ASOC) complex. (New Mission)</p> <p><u>REQUIREMENT:</u> An adequately sized and configured facility complex is needed to support beddown of an Air Support Operations Center (ASOC) for the 25th Air Support Operations Squadron (ASOS).</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION WHEELER AIR FORCE BASE, HAWAII		4. PROJECT TITLE CONSTRUCT ASOC COMPLEX	
5. PROGRAM ELEMENT 27418	6. CATEGORY CODE 141-753	7. PROJECT NUMBER YVEW083003	8. PROJECT COST (\$000) 15,000
<p><u>CURRENT SITUATION:</u> 25 ASOS, located on Wheeler Army Airfield (WAAF), employs Offensive Air Support, Air Mobility, and Combat Weather Service for components of the US Army Pacific, specifically, the 25th Infantry Division (ID). 25 ASOS has two facilities at WAAF that do not meet the need for both the 107 assigned personnel and 52 pieces of rolling stock. The unit will gain an ASOC Flight comprised of 54 personnel, 14 prime movers and 9 trailers. The squadron's mission will incorporate ASOC operations that provide command and control of air and space assets supporting 25 ID commander and/or Senior Unit of Employment. The current facilities need to be modernized to support both the 25 ASOS' traditional mission and its new mission as an ASOC. Construction of an additional parking lot adjacent to the existing 25 ASOS compound will provided the needed footprint to beddown the ASOC personnel and equipment within the existing ASOC facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> 25 ASOS will not be able to fully support the 25 ID and/or Senior Unit of Employment. Any delay hinders Air Support Operations Center alignment with United States Army Transformation. That impediment will significantly affect support to the Army Modularity Program, which integrates and equips the ASOC as a force multiplier to Counterland operations.</p> <p><u>ADDITIONAL:</u> This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements" and "Air Force Facilities on Army Installation Guide" for an ASOC/ASOS complex. A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate for waiver from an economic analysis 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: Colonel David H. Maharrey Jr., 808-448-2855. Upgrade ASOC Facility B203: 2,010 SM = 21,628; Upgrade ASOC Facility B204: 500 SM = 5,380 SF; ASOC Weapons System Facility: 760 SM = 8,160 SF; Construct Parking Lot: 1,670 SM = 18,000 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WHEELER AIR FORCE BASE, HAWAII			4. PROJECT TITLE CONSTRUCT ASOC COMPLEX	
5. PROGRAM ELEMENT 27418	6. CATEGORY CODE 141-753	7. PROJECT NUMBER YVEW083003	8. PROJECT COST (\$000) 15,000	
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				750
(4) Construction Contract Award				10 FEB
(5) Construction Start				10 MAR
(6) Construction Completion				11 AUG
(7) Energy Study/Life-Cycle analysis was/will be performed				YES
b. Equipment associated with this project provided from other appropriations:				
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	
FURNISHINGS	3400	2011	200	
COMMUNICATIONS	3400	2011	50	

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM				2. DATE			
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO				4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 1.1			
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 08	451	4176	1068	0	42	0	0	1	67	5,805
END FY 2014	445	4120	673	0	42	0	0	1	67	5,348
7. INVENTORY DATA (\$000)										
a. Total Acreage:										6,844
b. Inventory Total as of : (30 Sep 08)										1,705,251
c. Authorization Not Yet in Inventory:										0
d. Authorization Requested in this Program:										20,000
f. Planned in Next Five Years Program:										37,200
g. Remaining Deficiency:										107,100
h. Grand Total:										1,869,551
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY		PROJECT TITLE		SCOPE		COST	DESIGN	STATUS		
CODE						\$,000	START	CMPL		
442-758	Logistics Readiness Center			8,700	SM	20,000	Jun-08	Sep-09		
						Total	20,000			
9a. Future Projects: Typical Planned Next Five Years:										
610-127	Civil Engineer Facility			8,255	SM	23,700				
610-243	Operations Group Complex			2,323	SM	13,500				
						Total	37,200			
9b. Real Property Maintenance Backlog This Installation: (\$M)										52
10. Mission or Major Functions: Headquarters Air Combat Command; a fighter wing with one F-16C squadron, one F-15E squadron, one F-15C squadron; and the Air Expeditionary Force (AEF) Battle lab										
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO			4. PROJECT TITLE LOGISTICS READINESS CENTER		
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 442-758	7. PROJECT NUMBER QYZH013005R3	8. PROJECT COST (\$000) 20,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					14,427
LOGISTICS READINESS CENTER		SM	8,700	1,610	(14,007)
SDD & EPACT 05		SM	8,700	32	(280)
ANTITERRORISM/FORCE PROTECTION		SM	8,700	16	(140)
SUPPORTING FACILITIES					3,970
SITE IMPROVEMENTS		LS			(383)
UTILITIES		LS			(700)
PAVEMENTS		LS			(433)
DEMOLITION AND ASBESTOS ABATEMENT		SM	13,041	110	(1,435)
COMMUNICATIONS SUPPORT		LS			(220)
RELOCATE HOUSING SUPPLY AND OUTDOOR REC		LS			(549)
RELOCATE VEHICLE STORAGE		LS			(250)
SUBTOTAL					18,396
CONTINGENCY (5.0%)					920
TOTAL CONTRACT COST					19,316
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					1,101
TOTAL REQUEST					20,417
TOTAL REQUEST (ROUNDED)					20,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(137.0)
10. Description of Proposed Construction: Concrete slab floor, steel frame, masonry walls, standing seam metal roof, utilities, fire detection/protection, site improvements, landscaping, pavement, communication support, demolition and asbestos abatement of three facilities (13,041 SM), relocation of two facilities and utilities incident to 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: 11130 SM Adequate: 2430 SM Substandard: 16335 SM PROJECT: Construct Logistics Readiness Center. (Current Mission) REQUIREMENT: Logistics Readiness Center is required to provide command and control for all materials in-bound and outbound; including freight processing, packing, crating and a pallet buildup shop; as well as provide bulk and bin storage. The facility must also support secure storage, an armory and have appropriately sized and configured administrative areas. CURRENT SITUATION: The base supply and traffic management freight terminal complex is a wooden facility from 1955 which has been condemned by engineers due to safety concerns. It has failing structural roof trusses and cracked supports, although temporary structural supports were installed at key locations to allow personnel limited operations. Functions such as base supply support, administration, training, warehouse and traffic management functions were relocated to alternate facilities upwards of two miles away creating a disjointed, undersized base supply operation. Geographically dislocated material handling and freight processing					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO			4. PROJECT TITLE LOGISTICS READINESS CENTER	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 442-758	7. PROJECT NUMBER QYZH013005R3	8. PROJECT COST (\$000) 20,000	
<p>actions cause unnecessary delays in meeting mission capable (MICAP) delivery times and contribute to delays in aircraft repair times; some MICAP shipments are delayed as much as 24 hours. Separation also contributes to an additional 240 manhours/per month to complete outbound freight shipments. In addition to these problems, the roof of bldg 2610 collapsed forcing the further relocation of War Readiness Materials and Management Systems personnel; mobility bags (MOBAG) remained in the facility for lack of space elsewhere. The unsafe conditions in the facility does not allow for the normal issuance of MOBAGS to deploying personnel. Secure weapons storage remains in the condemned facility due to a lack of adequate facilities elsewhere, putting these weapons at risk of loss or damage. The existing facility contains the only covered loading dock for unloading and protecting large shipments of cargo arriving at Mountain Home AFB; shipments are off-loaded, then redirected to an available storage facility. These facilities require constant inspection and maintenance of temporary structural supports and roofs.</p> <p>IMPACT IF NOT PROVIDED: Structural failure of these facilities could cause loss of life or damage to war readiness supplies. The lack of adequate facilities is hindering the ability to meet logistics mission requirements. Physical separation and displacement of assets and resources will continue to strain scarce manpower, impede management control, compromise security and degrade the Wing's ability to meet mission requirements; creating continuous performance obstacles that interfere with the squadron's ability to support the wing flying mission and deployment taskings. Work-arounds and fragmented operations will continue to drain transportation and manpower resources on a daily basis and adversely impact MICAP delivery times. Weapons issue and cargo personnel will be restricted from access to materials when the environment is deemed unsafe due to weather conditions. In addition, new customer ordering processes and mission changes are increasing storage requirements for critical parts. Assets are now moved an average of 2 to 3 times before receipt, shipping, or stocking causing extensive waste of manpower and man hours in completing assigned tasks.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (construction, status quo, revitalization) was done. It indicates there is only one option that will meet operational requirements; construction. Because of this, a full economic analysis was not performed. A certificate of exception will be prepared. Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Lt Col Timothy S. Wood (208) 828-6353. (Logistics Readiness Center 8,700 SM = 93,612 SF)</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO		4. PROJECT TITLE LOGISTICS READINESS CENTER	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 442-758	7. PROJECT NUMBER QYZH013005R3	8. PROJECT COST (\$000) 20,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,200
(b) All Other Design Costs			600
(c) Total			1,800
(d) Contract			1,500
(e) In-house			300
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATION EQUIPMENT	3400	2010	87
FURNITURE	3400	2010	50

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE MARYLAND				4. COMMAND: AIR FORCE DISTRICT OF WASHINGTON			5. AREA CONST COST INDEX 1.02			
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	AS OF 30 SEP 08	1312	5485	1970	448			2078	1859	
END FY 2014	1298	5377	1976	448			2078	1859	13,036	
7. INVENTORY DATA (\$000)										
Total Acreage:		4,996								
Inventory Total as of : (30 Sep 08)					3,461,833					
Authorization Not Yet in Inventory:					122,648					
Authorization Requested in this Program:					9,300					
Planned in Next Five Years Program:					34,500					
Remaining Deficiency:					143,000					
Grand Total:					3,771,281					
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)										
CATEGORY						COST	DESIGN	STATUS		
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>		<u>\$,000</u>	<u>START</u>	<u>CMPL</u>		
422-264	Munitions Storage Area (TFI)			2,012	SM	9,300	May 08	Sep 09		
				Total		9,300				
9a. Future Projects: Typical Planned Next Five Years:										
740-674	Fitness Center Phase 1			7,500	SM	15,000				
730-441	Consolidated Library Education Center			5,292	SM	19,500				
				Total		34,500				
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND			4. PROJECT TITLE MUNITIONS STORAGE AREA (MSA) (TFI)		
5. PROGRAM ELEMENT 91376	6. CATEGORY CODE 422-264	7. PROJECT NUMBER AJXF063009	8. PROJECT COST (\$000) 9,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					5,619
HAYMAN-TYPE EARTH COVERED IGLOOS		SM	435	3,444	(1,498)
SEGREGATED STORAGE MAGAZINE		SM	1,251	2,637	(3,299)
MSA ADMIN FACILITY		SM	120	2,637	(316)
MSA MAINTENANCE AND INSPECTION FACILITY		SM	110	2,365	(260)
INERT STORAGE		SM	96	1,615	(155)
SDD & EP ACT 05		SM	2,012	30	(60)
ANTITERRORISM/FORCE PROTECTION		LS			(30)
SUPPORTING FACILITIES					2,752
UTILITIES		LS			(300)
PAVEMENTS		LS			(200)
SITE IMPROVEMENTS		LS			(140)
DEMOLITION		SM	3,000	300	(900)
COMMUNICATIONS/SECURITY LIGHTING		LS			(1,112)
STORM WATER MANAGEMENT		LS			(100)
SUBTOTAL					8,371
CONTINGENCY (5.0%)					419
TOTAL CONTRACT COST					8,789
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					501
TOTAL REQUEST					9,290
TOTAL REQUEST (ROUNDED)					9,300)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(173
10. Description of Proposed Construction: Construct 9 large earth covered reinforced concrete Hayman Type igloos, 2 reinforced concrete segregated storage magazines capable of meeting Net Explosive Weight (NEW) requirements for the National Capital Region (NCR), an inert storage area, a munitions maintenance facility, and an administrative facility. This project will also include: access road, reinforced pavements with adequate loading/turn-around support, utilities, other necessary support, and the demolition of eight facilities (4971, 4972, 4963, 4962, 4952, 4942, 4982, 4973) totaling 3,000 SM. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.					
11. Requirement: 2012 SM Adequate: 0 SM Substandard: 982 SM					
<u>PROJECT:</u> Replace Munitions Storage Complex (Current Mission)					
<u>REQUIREMENT:</u> Properly sited, adequately sized and correctly configured munitions storage facilities are required to support the National Capitol Region (NCR) including Security Forces (SF) personnel, Office of Special Investigations (OSI), State Department personnel, Air Force Explosive Ordinance Disposal (EOD) flight, 89th Airlift, Navy, Foreign Military Sales (FMS) and other supported NCR organizations. This project is needed to provide safer and more efficient explosives handling and storage capabilities within a new explosive safety footprint. The munitions storage facilities will be constructed in conjunction with a munitions storage complex constructed by 113th ANG, resulting in a combined					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		4. PROJECT TITLE MUNITIONS STORAGE AREA (MSA) (TFI)	
5. PROGRAM ELEMENT 91376	6. CATEGORY CODE 422-264	7. PROJECT NUMBER AJXF063009	8. PROJECT COST (\$000) 9,300
<p>Munitions Storage Area (MSA) for the base.</p> <p><u>CURRENT SITUATION:</u> The current MSA in use by the 316th Wing, ANG, 89th Airlift Wing, and other NCR agencies was constructed in 1959 and is not properly sited for the current base configuration. The MSA location does not comply with Air Force Manual 91-201 "Explosive Safety Standards". As a result, numerous explosive safety waivers were required to keep the MSA operational. Due to the old design of the facilities and in order to eliminate the safety waivers the MSA can only utilize 50% of its functional storage space. This reduction has forced the MSA to eliminate accounts for NCR agencies and greatly reduce it's capacity for the current agencies using the MSA. Construction of new manned facilities has severely limited the storage capability of the existing munitions storage area. Current munitions storage has been reconfigured to reduce the Quantity Distance arcs, however additional storage that would increase arcs would require explosive safety waivers. This project includes a direct airfield access road that allows safer travel to and from the MSA cutting escort missions for Security Forces in half. This project is the key element to the overall relocation and development of a single munitions storage area at Andrews AFB.</p> <p><u>IMPACT IF NOT PROVIDED:</u> There will continue to be a shortfall of storage capability for hazard class 1.1 munitions. Andrews AFB will be forced to turn away agencies in the NCR requiring munitions storage resulting in a short fall for NCR emergency response. In addition, operation of two MSAs on Andrews AFB will cause a needless waste of manpower, time and material resources.</p> <p><u>ADDITIONAL:</u> This project supports Total Force Integration initiatives. This project will be conjunctively constructed with the Air National Guard Munitions Storage Area Project AJXF049104. This project meets the criteria/scope specified in Air Force Handbook 32-1084, Facility Requirements and Air Force Manual 91-210, Explosive Safety Standards. During 2007 there has been an average increase of 50% in maintenance and repair for the facilities. 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. All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception will be prepared. Base Civil Engineer: Lt Col Brian Duffy, Comm 240-857-7181. Munitions Storage Area: 2012 SM = 21,657 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements. This facility is designed to be used jointly by the DCANG and by Andrews Air Force Base munitions maintenance personnel.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		4. PROJECT TITLE MUNITIONS STORAGE AREA (MSA) (TFI)	
5. PROGRAM ELEMENT 91376	6. CATEGORY CODE 422-264	7. PROJECT NUMBER AJXF063009	8. PROJECT COST (\$000) 9,300
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			465
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMM EQUIPMENT	3400	2011	173

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE				
INSTALLATION AND LOCATION CANNON AFB, NEW MEXICO				COMMAND: AIR FORCE SPECIAL OPERATIONS COMMAND			5. AREA CONST COST INDEX 1.04				
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 Sep 08		233	1500	398	0	0	0	0	0	0	2,131
END FY 2014		549	2561	416	0	0	0	0	0	0	3,526
7. INVENTORY DATA (\$000)											
Total Acreage:		3,789									
Inventory Total as of : (30 Sep 08)											1,002,731
Authorization Not Yet in Inventory:											11,188
Authorization Requested in this Program:											15,000
Planned in Next Five Year Program:											69,225
Remaining Deficiency:											235,397
Grand Total:											1,333,541
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)											
CATEGORY						COST	DESIGN	STATUS			
<u>CODE</u>	<u>PROJECT TITLE</u>				<u>SCOPE</u>	<u>\$,000</u>	<u>START</u>	<u>CMPL</u>			
131-111	Consolidated Comm Facility				4,042 SM	15,000	May 08	Sep 09			
					Total	15,000					
9a. FUTURE PROJECTS: Typical Planned Next Five Years:											
721-312	Dormitory (96 Rm)				3,168 SM	15,000					
831-165	ADAL Wastewater Treatment Plant				250 KG	9,000					
721-312	Dormitory (96 Rm)				3,168 SM	15,500					
722-351	Satellite Dining and Fitness Center, PH I				1,672 SM	7,332					
722-352	Satellite Dining and Fitness Center, PH II				1,378 SM	5,000					
740-253	Family Support Center				1,001 SM	3,931					
730-411	Library/Education Center				3,344 SM	13,462					
					Total	69,225					
9b. Real Property Maintenance Backlog This Instalation: (\$M)											73
10. MISSION OR MAJOR FUNCTIONS: Special Operations Wing with MC-130W, AC-130, CV-22, Non-Standard Aviation (NSA), and Unmanned Aerial System (UAS) special operations squadrons.											
11. OUTSTANDING POLLUTION AND SAFETY (OSHA)DEFICIENCIES:											
a. Air pollution									0		
b. Water Pollution									0		
c. Occupational Safety and Health									0		
d. Other Environmental									0		

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CANNON AIR FORCE BASE, NEW MEXICO			4. PROJECT TITLE CONSOLIDATED COMMUNICATIONS FACILITY		
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 131-111	7. PROJECT NUMBER CZQZ063002	8. PROJECT COST (\$000) 15,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					10,196
COMMUNICATIONS SQUADRON AREA		SM	3,050	2,450	(7,473)
COMMAND POST AREA		SM	900	2,450	(2,205)
TELEPHONE SWITCH ADDITION		SM	92	2,450	(225)
ANTITERRORISM/FORCE PROTECTION		LS			(98)
SDD & EP ACT 05		LS			(196)
SUPPORTING FACILITIES					3,386
UTILITIES		LS			(627)
SITE IMPROVEMENTS		LS			(574)
PAVEMENTS		LS			(1,001)
COMMUNICATION SUPPORT		LS			(559)
GENERATORS (350 KVA)		EA	2	125,474	(251)
ELEVATOR		EA	1	190,000	(190)
DEMOLITION		SM	957	192	(184)
SUBTOTAL					13,582
CONTINGENCY (5.0%)					679
TOTAL CONTRACT COST					14,261
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					813
TOTAL REQUEST					15,074
TOTAL REQUEST (ROUNDED)					15,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(2,045.0)
<p>10. Description of Proposed Construction: Construct a 2-story communications facility with reinforced concrete foundations, steel frames, and reinforced concrete walls and floors. The exterior finish will consist of split-face concrete masonry unit (CMU) walls and standing-seam metal roof. Command Post area inside facility will include necessary security walls, doors, and ceilings. The project includes all utilities, pavements, site improvements, landscaping and required facility support. Project will demolish Bldg 10 with the exception of the existing telephone switch. Project incorporates antiterrorism/force protection requirements IAW the DoD Unified Facility Criteria.</p> <p>Air Conditioning: 145 Tons</p>					
<p>11. Requirement: 6265 SM Adequate: 1399 SM Substandard: 3523 SM</p> <p>PROJECT: Construct Communications Facility (Current Mission).</p> <p>REQUIREMENT: Meet new requirements for communications intensive beddown of Special Operations Forces (SOF). By FY11, multiple new missions will be assigned to Cannon to include one MC-130 squadron, one AC-130 squadron, an Unmanned Aircraft System (UAS) squadron, two CV-22 squadrons, a Non-Standard Aircraft (NSA) squadron and various other SOF personnel and their associated facilities. 24/7 communications support is essential for all SOF mission aircraft and is critical for the UAS operations center. Combines communications requirements and functions into one area and provides adequate storage space for spare and used communications equipment. Facility will also provide an adequately sized and configured Command Post with the</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CANNON AIR FORCE BASE, NEW MEXICO			4. PROJECT TITLE CONSOLIDATED COMMUNICATIONS FACILITY	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 131-111	7. PROJECT NUMBER CZQZ063002	8. PROJECT COST (\$000) 15,000	
<p>necessary administrative areas, offices, Battle Staff area, Mission Director Cell and a conference room employing the latest Air Force Incident Management System (AFIMS) concept.</p> <p>CURRENT SITUATION: Incoming missions have heavy command, control and communications requirements that require more robust communications and Command Post support to insure timely voice/data input and output to support the Overseas Contingency Operations (OCO). The existing main communications facilities are spread throughout the base, providing an inefficient and unproductive work environment. The existing buildings are old, outdated, and expensive to maintain. One of these facilities, 2328, is located across the flight line from the main area of the base. Building 2328 is used for the Mission Systems flight and was built in 1972. Building 10 is used for administrative/planning/remote switching and was built in 1962. The current switch area is approaching maximum capacity. Building 600 houses most of the Support flight as well as the current Command Post. The current Command Post is undersized by over 50% with inefficient and insufficient HVAC, communications and security capabilities and is unable to meet SOF requirements. Project will also enable the implementation of new AFIMS concept to improve response to emergencies and interoperability with local communities for overall better incident management. This facility will replace inadequate and disjointed communications squadron structure with one central, efficient facilities complex and provide adequate facilities to support new AFSOC mission requirements.</p> <p>IMPACT IF NOT PROVIDED: The base will be unable to adequately support new communications system requirements of incoming AFSOC organizations to include six SOF Operations Squadrons actively supporting the OCO; especially the 24/7 requirements for UAS. The current facilities will continue to degrade and compromise the base's communications abilities and efficiency.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for 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 project design, development, and construction in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer: Stephen D. Wood, Lt Col, 505/784-2008. Consolidated Communications Facility: 4,042 SM = 43,507 SF.</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CANNON AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE CONSOLIDATED COMMUNICATIONS FACILITY	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 131-111	7. PROJECT NUMBER CZQZ063002	8. PROJECT COST (\$000) 15,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			17-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			30-JAN-09
(e) Date Design Complete			30-SEP-09
(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			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS EQUIPMENT	3400	2010	325
SYSTEMS FURNITURE	3400	2010	1,560
COMMAND CENTER CONSOLES	3400	2010	160

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE				
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO				4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 0.99					
6. Personnel Strength		PERMANENT			STUDENTS			SUPPORTED			TOTAL	
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
AS OF 30 SEP 08		437	3554	1925	8	4	0	1	10	86	6,025	
END OF FY 2014		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 08)											2,524,621	
c. Authorization Not Yet in Inventory:											40,300	
d. Authorization Requested in this Program:											5,500	
f. Planned in Next Five Years Program:											52,303	
g. Remaining Deficiency:											58,100	
h. Grand Total:											2,680,824	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)												
CATEGORY							COST	DESIGN	STATUS			
CODE	PROJECT TITLE	SCOPE				\$,000	START	CMP				
212-213	F-22 Consolidated Munitions Mntnce - TFI	1,347	SM			5,500	Jun-08	Sep-09				
		Total				5,500						
9a. Future Projects: Typical Planned Next Five Years:												
211-159	F-22 Add/Alter 3rd Bay LO/CR Facility - TFI	1,390	SM			8,503						
311-171	RAMS Indoor Target Flip Facility	3,160	SM			13,700						
319-951	ADAL Fabrication Shop	4,638	SM			6,900						
730-142	Fire/Crash Rescue Station	2,178	SM			10,000						
141-454	BEAR Set Asset Storage Facility	9,289	SM			13,200						
		Total				52,303						
9b. Real Property Maintenance Backlog This Installation: (\$M)											63	
10. Mission or Major Functions: Air Combat Command; a fighter wing with F-22A squadrons, one German F-4 training squadron, a major command training squadron, a weapons testing and evaluation wing, and the war reserve material 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 AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE F-22 CONSOLIDATED MUNITIONS MAINTENANCE - TFI			
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 212-213	7. PROJECT NUMBER KWRD083003	8. PROJECT COST (\$000) 5,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					4,366
CONVENTIONAL MUNITIONS FACILITY		SM	418	3,150	(1,317)
PRECISION GUIDED MISSILE FACILITY		SM	418	3,150	(1,317)
PGM ADMINISTRATIVE SUPPORT		SM	511	3,150	(1,610)
SDD & EPACT 05		SM	1,347	63	(85)
ANTITERRORISM/FORCE PROTECTION		SM	1,347	28	(38)
SUPPORTING FACILITIES					625
UTILITIES		LS			(100)
PAVEMENTS		LS			(350)
SITE IMPROVEMENTS		LS			(150)
COMMUNICATION SUPPORT		LS			(25)
SUBTOTAL					4,991
CONTINGENCY (5.0%)					250
TOTAL CONTRACT COST					5,240
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					299
TOTAL REQUEST					5,539
TOTAL REQUEST (ROUNDED)					5,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(90.0)
10. Description of Proposed Construction: Concrete foundation and floor (150 lb per sq ft loading) with blast resistant walls; construction IAW AFM 91-201. Includes utilities, pavements, site improvements, communication support, bridge crane in the maintenance bays with a minimum clear ceiling height of 3.66m, and all other necessary support. Includes antiterrorism/force protection requirements identified in DoD Unified Facilities Criteria. Air Conditioning: 50 Tons					
11. Requirement: 1347 SM Adequate: 0 SM Substandard: 0 SM PROJECT: F-22 Consolidated Munitions Maintenance. (New Mission) REQUIREMENT: The F-22A armaments package includes forward-firing and air-to-ground precision guided munitions. A maintenance facility is required for this weapons system beddown. Three bays are required for missile maintenance; three bays are required for conventional munitions maintenance. Aircraft arrival began in June 2008. CURRENT SITUATION: The wing currently has no air-to-air maintenance capability because current wing assigned aircraft (F-117A) do not use missiles. The current conventional munitions shop has known quantity-distance violations waived and cannot be altered to meet new mission requirements. IMPACT IF NOT PROVIDED: The ability to perform proper maintenance and build-up on forward-firing or air-to-ground guided munitions has been adversely impacted, further impacting the F-22A's ability to perform its full range of assigned missions. ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE F-22 CONSOLIDATED MUNITIONS MAINTENANCE - TFI	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 212-213	7. PROJECT NUMBER KWRD083003	8. PROJECT COST (\$000) 5,500
<p>32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements; 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. Base Civil Engineer: LtCol Michael L. Myers, DSN 572-3071. Consolidated Munitions Maintenance Facility: 1,347 SM = 14,494 SF.</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components. This project supports Total Force Integration initiatives.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HOLLOMAN AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE F-22 CONSOLIDATED MUNITIONS MAINTENANCE - TFI	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 212-213	7. PROJECT NUMBER KWRD083003	8. PROJECT COST (\$000) 5,500
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			10 FEB
(5) Construction Start			10 MAR
(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	3400	2011	25
COMM EQUIPMENT	3400	2011	65

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE		
INSTALLATION AND LOCATION KIRTLAND AFB NEW MEXICO				COMMAND: AIR FORCE MATERIAL COMMAND			5. AREA CONST COST INDEX 1.01			
6. PERSONNEL STRENGTH AS OF 30 SEP 08 END FY 2014	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	342	1021	1382	0	0	0	596	1157	399	
	329	975	1391	0	0	0	551	1097	436	4,779
7. INVENTORY DATA (\$000)										
Total Acreage:										51,606
Inventory (PRV \$000) total as of : (30 Sep 08)										2,960,559
Authorization Not Yet in Inventory:										24,300
Authorization Requested in this Program (\$000):										16,700
Planned in Next Five Years Program:										163,871
Remaining Deficiency:										85,090
Grand Total:										3,250,520
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY						COST	DESIGN	STATUS		
<u>CODE</u>	<u>PROJECT TITLE</u>		<u>SCOPE</u>		<u>\$,000</u>	<u>START</u>	<u>CMPL</u>			
171-212	HC-130J Simulator Facility		1,069	SM	\$8,700	May 08	Sep 09			
171-212	MC-130J Simulator Facility		1,225	SM	\$8,000	May 08	Sep 09			
			Total		\$16,700					
9a. Future Projects: Typical Planned Next Five Years:										
211-179	H/MC-130J Fuel System Maintenance Facility		3,000	SM	\$14,821					
218-712	Construct Armament Shop		1,000	SM	\$5,300					
730-841	Construct Military Working Dog Facility		625	SM	\$3,600					
312-472	Space Vehicles Component Lab		3,710	SM	\$18,000					
851-147	Reconstruct/Widen Wyoming Blvd Ph 1		36,773	SM	\$13,000					
724-417	Visiting Officers Quarters		1,715	SM	\$7,900					
116-662	Construct Hot Cargo Pad		59,000	SM	\$10,400					
740-674	Physical Fitness Center		10,524	SM	\$32,000					
721-312	Construct Permanent Party Dorm (120 RM)		3,960	SM	\$25,700					
730-835	Construct Security Forces Center		3,945	SM	\$13,900					
422-253	Construct Security Upgrades for Munitions Storag		14,500	LM	\$3,850					
610-281	Space Dvlpmnt & Test Wg Ops Center Add		1,097	SM	\$5,400					
141-454	CSAR-X Operations Facility		2,787	SM	\$10,000					
			Total		\$163,871					
9b. Restoration and Modernization (R&M) Unfunded Requirement (\$M)										256.6
10. Mission or Major Functions: The 377th Air Base Wing is the host organization at Kirtland AFB. It was activated under Air Force Material Command on 1 January 1993 and became part of the Nuclear Weapons Center on 31 March 2006. The Wing operates and maintains the Air Force's sixth largest base and an AF/VA joint medical facility. The Wing provides worldwide readiness, security and support for AF Operational Test and Evaluation Center, AF Safety Center, AF Inspection Agency, two AF Research Lab directorates, Defense Threat Reduction Agency, Department of Energy and Sandia National Laboratories.										
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE HC-130 SIMULATOR FACILITY		
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 171-212	7. PROJECT NUMBER MHMV083112	8. PROJECT COST (\$000) 8,700	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				5,386
FLT SIMLTR TNG	SM	1,069	4,900	(5,238)
ANTITERRORISM/FORCE PROTECTION	SM	1,069	46	(49)
SDD & EPACT05	SM	1,069	92	(98)
SUPPORTING FACILITIES				2,450
UTILITIES	LS			(650)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS			(500)
COMMUNICATIONS SUPPORT	LS			(350)
SPECIAL FOUNDATIONS	LS			(400)
OVERHEAD CRANES	EA	2	100,000	(200)
UPS SYSTEM	EA	1	150,000	(150)
SUBTOTAL				7,836
CONTINGENCY (5.0%)				392
TOTAL CONTRACT COST				8,227
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				469
TOTAL REQUEST				8,696
TOTAL REQUEST (ROUNDED)				8,700
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(20,400.0)
<p>10. Description of Proposed Construction: One-story structure with reinforced concrete foundations and floors, reinforced stucco-finished CMU walls, steel roof structure with insulated standing seam metal roofing. Due to soil conditions over-excavation and special foundations will be required. Includes seismic provisions, site preparation, communications support, UPS system, fire safety and suppression systems, landscaping, parking and all supporting facilities. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.</p> <p>Air Conditioning: 130 Tons</p>				
<p>11. Requirement: 1069 SM Adequate: 0 SM Substandard: 0 SM</p> <p>PROJECT: HC-130 Simulator Facility (New Mission)</p> <p>REQUIREMENT: Construct HC-130 flight simulator facility for new mission HC-130 aircraft to train 80 to 100 students per year at Kirtland AFB. Flight simulators have become the standard way to train air crews because of the enormous savings in fuel and flying time, more comprehensive training opportunities, and the ability fo train on new aircraft and new technology before they enter the fleet.</p> <p>CURRENT SITUATION: There are no available facilities at Kirtland that can house a new mission HC-130 simulator.</p> <p>IMPACT IF NOT PROVIDED: Without this facility it will not be possible to conduct flight simulator training for air crews of new mission HC-130 aircraft at Kirtland. Training would need to be done in actual aircraft at much higher cost, with considerable fuel usage, and no training could be done before receipt of new mission aircraft.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE HC-130 SIMULATOR FACILITY	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 171-212	7. PROJECT NUMBER MHMV083112	8. PROJECT COST (\$000) 8,700
<p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternatives were considered during development of this project; therefore, an economic analysis was not performed and a certificate of exception is being 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: Mr. D. Brent Wilson, PE (505) 846-7911. HC-130 Simulator Facility: 1,069 SM = 11,500 SF</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE HC-130 SIMULATOR FACILITY	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 171-212	7. PROJECT NUMBER MHMV083112	8. PROJECT COST (\$000) 8,700
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			522
(b) All Other Design Costs			261
(c) Total			783
(d) Contract			653
(e) In-house			131
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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)
FLIGHT SIMULATOR	3080	2011	20,000
COMMUNICATIONS EQUIPMENT	3400	2011	150
FURNITURE & EQUIPMENT	3400	2011	250

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE MC-130 SIMULATOR FACILITY			
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 171-212	7. PROJECT NUMBER MHMV073110	8. PROJECT COST (\$000) 8,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					4,889
FLT SIMLTR TNG		SM	1,225	3,874	(4,746)
AT/FP PROVISIONS		SM	1,225	39	(48)
SDD & EPACT05		SM	1,225	78	(96)
SUPPORTING FACILITIES					2,350
UTILITIES		LS			(650)
PAVEMENTS		LS			(200)
SITE IMPROVEMENTS		LS			(400)
COMMUNICATIONS SUPPORT		LS			(350)
SPECIAL FOUNDATIONS		LS			(400)
OVERHEAD CRANES		EA	2	100,000	(200)
UPS SYSTEM		LS			(150)
SUBTOTAL					7,239
CONTINGENCY (5.0%)					362
TOTAL CONTRACT COST					7,601
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					433
TOTAL REQUEST					8,034
TOTAL REQUEST (ROUNDED)					8,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(20,400.0)
<p>10. Description of Proposed Construction: A one-story addition to existing HC-130P simulator facility to provide an HC-130 simulator facility with reinforced concrete foundation and floors, reinforced CMU walls, steel roof structure and standing seam metal roof. Due to soil conditions over-excavation and special foundations are required. Includes seismic provisions, site preparation, communications support, UPS system, fire detection and suppression systems, landscaping, and all supporting utilities. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.</p> <p>Air Conditioning: 150 Tons</p>					
<p>11. Requirement: 2247 SM Adequate: 1022 SM Substandard: SM</p> <p>PROJECT: MC-130 Simulator Facility. (New Mission)</p> <p>REQUIREMENT: Add an MC-130 simulator facility to the existing HC-130P simulator facility (Bldg 950) to train 80 to 100 students per year. Simulator is expected to be delivered in FY10. The present HC-130P simulator facility was designed to receive a future addition and the site space has been reserved. Flight simulators have become the standard way to train air crews because of the enormous savings in fuel and flying time, more comprehensive training opportunities, and the ability to train on new aircraft and technology before they enter the fleet.</p> <p>CURRENT SITUATION: There are no facilities on base that can house an MC-130 simulator.</p> <p>IMPACT IF NOT PROVIDED: Without this facility it will not be possible to conduct flight simulator training for MC-130 aircraft crews. Training would need to be done in actual aircraft at much higher cost, with considerable fuel usage, and no</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE MC-130 SIMULATOR FACILITY	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 171-212	7. PROJECT NUMBER MHMV073110	8. PROJECT COST (\$000) 8,000
<p>training could be done before receipt of aircraft.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, an economic analysis was not performed. A certificate of exception is being 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: Mr. D. Brent Wilson, PE (505) 846-7911. MC-130 Simulator Facility: 1,225 SM = 13,181 SF.</p> <p>BASE CIVIL ENGINEER: Wilson</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		4. PROJECT TITLE MC-130 SIMULATOR FACILITY	
5. PROGRAM ELEMENT 27224	6. CATEGORY CODE 171-212	7. PROJECT NUMBER MHMV073110	8. PROJECT COST (\$000) 8,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			480
(b) All Other Design Costs			240
(c) Total			720
(d) Contract			600
(e) In-house			120
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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)
FLIGHT SIMULATOR	3080	2010	20,000
COMMUNICATIONS EQUIPMENT	3400	2010	150
FURNITURE & EQUIPMENT	3400	2010	250

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA				4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 1.14				
6. Personnel Strength		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 08		608	4332	960	0	0	0	0	0	61	5,961
END FY 2014		603	4339	942	0	0	0	0	0	61	5,945
7. INVENTORY DATA (\$000)											
a. Total Acreage:											5,189
b. Inventory Total as of : (30 Sep 08)											1,685,536
c. Authorization Not Yet in Inventory:											18,200
d. Authorization Requested in this Program:											11,500
f. Planned in Next Five Years Program:											122,708
g. Remaining Deficiency:											85,400
h. Grand Total:											1,923,344
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)											
CATEGORY						COST	DESIGN	STATUS			
CODE	PROJECT TITLE	SCOPE				\$,000	START	CMPL			
422-265	MHU-196 Munitions Trailer Storage Facili	745	SM			1,500	Apr-08	Sep-09			
610-243	Missile Procedures Training Operations	2,320	SM			10,000	Apr-08	Sep-09			
		Total				11,500					
9a. Future Projects: Typical Planned Next Five Years:											
141-453	Air Traffic Control Complex	2,059	SM			19,000					
214-469	Proof Load Test Pit	1,598	SM			6,900					
721-312	Dormitory (168 RM)	6,384	SM			27,500					
211-173	Add/Alter Dock 3	5,130	SM			15,408					
171-475	Indoor Firing Range	4,668	SM			5,900					
721-312	Dormitory (144 RMS)	5,472	SM			25,600					
212-212	Roll Transfer Facility	940	SM			4,100					
214-425	Transportation Complex	8,139	SM			18,300					
		Total				122,708					
9b. Real Property Maintenance Backlog This Installation: (\$M)											92
10. Mission or Major Functions: A host bomb wing with B-52H aircraft, and an AF Space Command space wing with Minuteman III missiles.											
11. Outstanding Pollution and Safety (OSHA Deficiencies):											
a. Air pollution											0
b. Water Pollution											0
c. Occupational Safety and Health											0
d. Other Environmental											0

DD Form 1390, 9 Jul 02

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		4. PROJECT TITLE MHU-196 MUNITIONS TRAILER STORAGE FACILITY			
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 422-265	7. PROJECT NUMBER QJVF102002	8. PROJECT COST (\$000) 1,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					1,158
TRAILER STORAGE FACILITY		SM	745	1,522	(1,134)
SDD & EPACT05		SM	745	32	(24)
SUPPORTING FACILITIES					194
UTILITIES		LS			(10)
PAVEMENTS		LS			(66)
SITE IMPROVEMENTS		LS			(22)
INTRUSION DETECTION SYSTEM		LS			(6)
SECURITY DELAYS		LS			(20)
DEMOLITION		SM	459	152	(70)
SUBTOTAL					1,351
CONTINGENCY (5.0%)					68
TOTAL CONTRACT COST					1,419
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					81
TOTAL REQUEST					1,500
TOTAL REQUEST (ROUNDED)					1,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(55.0)
10. Description of Proposed Construction: Reinforced concrete foundation with floor slab, steel frame, roof, utilities, pavements to include reinforced concrete approach, site improvements, security enhancements, communication support, relocation of electrical utilities, overhead radiant heat, side roll-up doors; eight on each side, and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per Unified Facility Criteria.					
11. Requirement: 745 SM Adequate: SM Substandard: SM					
PROJECT: Construct a MHU-196 Munitions Trailer Storage Facility. (Current Mission)					
REQUIREMENT: Adequate space is required for the storage and maintenance of MHU-196 munitions trailers. The facility requires adequate room for the trailer and clearance for the boom. Reinforced concrete approaches are needed to withstand the heavy load of the trailers.					
CURRENT SITUATION: There is not enough adequate storage space available on Minot AFB for the storage and maintenance of these high value, nuclear mission enabling assets. Currently, the MHU-196 munitions trailers are stored in structures with War Readiness (WR) assets. This creates tremendous man power drain to move, maintain, and store assets. The constant movement of trailers in and out of the facility exposes the WR assets to the elements; thus, decreasing their life expectancy. Also, access of trailers to munitions personnel must remain in the WSA due to logistical moves and Electronic Warfare Office (EWO) requirements.					
IMPACT IF NOT PROVIDED: High dollar equipment critical to the nuclear mission is currently unprotected from inclement weather common to Minot AFB. This causes degradation of equipment that can be prevented by building a storage facility to house the MHU-196 trailers. Temporary storage of trailers amongst WR materials and equipment will continue to degrade their condition.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		4. PROJECT TITLE MHU-196 MUNITIONS TRAILER STORAGE FACILITY	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 422-265	7. PROJECT NUMBER QJVF102002	8. PROJECT COST (\$000) 1,500
<p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options (status quo, renovation, new construction) for accomplishing the project was done. It indicates there is only one option that will meet operational requirements; new construction. Therefore, 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 12423 and other applicable laws and Executive orders. Base Civil Engineer: LtCol Monte S. Harner, (701) 723-2434); (Trailer Storage Facility: 745 SM = 8,015 SF)</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations, and location are incompatible with use by other components.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		4. PROJECT TITLE MHU-196 MUNITIONS TRAILER STORAGE FACILITY	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 422-265	7. PROJECT NUMBER QJVF102002	8. PROJECT COST (\$000) 1,500
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			09-APR-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			90
(b) All Other Design Costs			45
(c) Total			135
(d) Contract			113
(e) In-house			23
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			10 DEC
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMM EQUIPMENT	3400	2011	45
FURNISHINGS	3400	2011	10

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		4. PROJECT TITLE MISSILE PROCEDURES TRAINING OPERATIONS FACILITY			
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 610-243	7. PROJECT NUMBER QJVF962007R2	8. PROJECT COST (\$000) 10,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					6,077
MISSILE PROCEDURES TRAINING OPS FACILITY		SM	2,320	2,450	(5,684)
INTERIOR COMMUNICATION		LS			(184)
SDD & EP ACT 2005		LS			(119)
ANTITERRORISM FORCE PROTECTION		LS			(90)
SUPPORTING FACILITIES					2,933
UTILITIES		LS			(327)
PAVEMENTS		LS			(1,498)
SITE IMPROVEMENTS		LS			(875)
PASSIVE FORCE PROTECTION		LS			(68)
EXTERIOR COMM		LS			(165)
SUBTOTAL					9,010
CONTINGENCY (5.0%)					451
TOTAL CONTRACT COST					9,461
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					539
TOTAL REQUEST					10,000
TOTAL REQUEST (ROUNDED)					10,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(1,820
10. Description of Proposed Construction: Reinforced concrete foundation and slab with brick and block construction on steel frame with standing seam metal roof to match base facilities excellence plan and surrounding facilities. Includes all electrical, water, sewer, HVAC, ground source heat pumps, communications, utilities expansion, paving to extend Tanker Trail across Minute Man Drive, pavements, and all other supporting facilities. Complies with DoD force protection requirements per the Unified Facilities Criteria. Air Conditioning: 45 Tons					
11. Requirement: 2320 SM Adequate: 0 SM Substandard: 3078 SM PROJECT: Missile procedures training operations facility. (Current Mission) REQUIREMENT: This facility is required to effectively manage and direct missile operations and to provide classified training, briefing, and work areas for missile combat crews and support staff. Project is necessary to provide security for highly classified and sensitive defense information. Facility must provide space for Missile Procedures Trainer (MPT)/Emergency War Order (EWO) training and office space for administrative support. A parking area for personnel with extended duty at the missile sites is required as well as parking area for personnel working in the facility. Many of the current plug-in boxes are broken and none of them have lights to indicate whether they work or not. New parking with plug-ins will alleviate these problems, enhancing quality of life and piece of mind for extended duty personnel who can take comfort in knowing they will not return from the missile field to a dead car with a frozen engine block. CURRENT SITUATION: Facility studies and inspections have repeatedly identified an inadequate working environment in the present facilities. The missile training					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA			4. PROJECT TITLE MISSILE PROCEDURES TRAINING OPERATIONS FACILITY	
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 610-243	7. PROJECT NUMBER QJVF962007R2	8. PROJECT COST (\$000) 10,000	
<p>division is located across the base from the operations facility and shares a facility with other units. It requires transportation of classified materials across the base on a regular basis. In addition, the present Missile Procedures Training Operations was built in the mid-1960s and lacks adequate security for classified information. The present work environment contributes to inefficient management and work practices. The fact that the training division is geographically separated from the operations facility greatly impairs efficiency due to the fact that the unit is needed to provide vital training and evaluation. The separation, along with the facilities use by other units, adds to the security risk of the weapons system due to the need to transport classified document, crypto and codes to support training. Geographically separate training and issue points require personnel to frequently hand-carry classified material across the base, increasing risk of exposure. Physical security measures that have been planned to bring classified training and briefing rooms to DoD standards are extremely expensive and often impossible to implement. Multiple work-arounds have been adopted as temporary measures to improve security. This lack of a quality work environment and security is unacceptable. Personnel on extended duty at the sites park their vehicles in the existing parking lot which limits available parking for day-to day Wing business.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not funded, the deterioration of the aged facility and inefficiency of operations will continue. The MM III weapon system has been life-extended until 2030. The US faces growing nuclear threats from around the world. In order to effectively and efficiently leverage US nuclear assets for tomorrow's challenges, current support facilities should be extended and modernized to support this investment. As mission requirements increase and manning levels drop, the negative work environment will further decrease productivity. The inadequate security will continue to provide the potential for critical classified information breaches. Training and evaluation must continue in order to maintain the combat readiness of the Wing. As time passes the possible exploitation of classified information and combat crew procedures will further constrain effective and efficient training. The physical separation of related mission areas will impair performance and readiness.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet the 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 Brian G. May; Phone: (701) 723-2434. MISSILE PROCEDURES TRAINING OPERATIONS FACILITY: 2320 SM = 24972 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA		4. PROJECT TITLE MISSILE PROCEDURES TRAINING OPERATIONS FACILITY	
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 610-243	7. PROJECT NUMBER QJVF962007R2	8. PROJECT COST (\$000) 10,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by design-build procedures			
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) All Other Design Costs			500
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
(7) Energy Study/Life-Cycle analysis was/will be performed			YES
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
PREWIRED WORK STATIONS	3400	2011	720
COMM EQUIPMENT	3080	2011	1,100

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION CREECH AIR FORCE BASE, NEVADA				4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 1.34			
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 08	1053	6415	2709	75	135	2	0	1	263	10,653
END FY 2014	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 08)										2,109,983
c. Authorization Not Yet in Inventory:										211,864
d. Authorization Requested in this Program:										2,700
f. Planned in Next Five Years Program:										13,400
g. Remaining Deficiency:										36,000
h. Grand Total:										2,373,947
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY		PROJECT TITLE		SCOPE	COST \$,000	DESIGN START	STATUS CMPL			
CODE										
872-247	UAS AT/FP Security Upgrades - TFI			7,500	LM	2,700	Jun-08	Sep-09		
				Total		2,700				
9a. Future Projects: Typical Planned Next Five Years:										
730-142	UAS Airfield Fire/Crash Rescue Station			1,858	SM	13,400				
				Total		13,400				
9b. Real Property Maintenance Backlog This Installation: (\$M)										103
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		

DD Form 1390, 9 Jul 02

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CREECH AIR FORCE BASE, NEVADA		4. PROJECT TITLE UAS AT/FP SECURITY UPGRADES - TFI			
5. PROGRAM ELEMENT 25219	6. CATEGORY CODE 872-247	7. PROJECT NUMBER LKTC093111	8. PROJECT COST (\$000) 2,700		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					975
SECURITY UPGRADES		LS			(975)
SUPPORTING FACILITIES					1,460
BOUNDARY LIGHTING		EA	60	12,000	(720)
ALLIED SUPPORT FOR SENSORS AND CAMERAS		LS			(740)
SUBTOTAL					2,435
CONTINGENCY (5.0%)					122
TOTAL CONTRACT COST					2,557
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					146
TOTAL REQUEST					2,702
TOTAL REQUEST (ROUNDED)					2,700
10. Description of Proposed Construction: Construct security upgrades. Support work includes boundary lighting fixtures mounted on metal poles, berms and barriers, and allied support for electronic security sensors, video security cameras and all other necessary support as required. Comply with DoD force protection requirements per Unified Facility Criteria.					
11. Requirement: 0 LS Adequate: 0 LS Substandard: 0 LS					
PROJECT: UAS AT/FP Security Upgrades - TFI. (New Mission)					
REQUIREMENT: MQ-1 (Predator) and MQ-9 (Reaper) Unmanned Aerial Systems (UASs) assigned to Creech AFB, NV are vital combat resources to the Overseas Contingency Operations (OCO) that require adequate security protection, including asset containment within restricted areas and a line of intrusion detection at the restricted area boundary which consists of electronic security sensors, video motion detection, berms, barriers and boundary lighting.					
CURRENT SITUATION: Creech AFB does not currently have adequate antiterrorism/force protection infrastructure in place to support a PL-3 designation for its UAS assets. A UAS consists of aircraft, a ground control station (GCS) and a Primary Predator Satellite Link (PPSL). The MQ-1/MQ9 UASs are armed assets on airborne alert, available for warfighter taskings 24 hours a day. Combatant Commanders in the AOR have made the absence of full motion video a no-go item when conducting direct action against the enemy. The Air Forces's limited number of Ground Control Stations (GCSs) and PPSLs combined with the lack of available replacements drive the need to protect UASs with a Protection Level 3 (PL-3) designation at a minimum, as opposed to its current PL-4 designation. Final approval of PL-3 designation for the UASs assigned to Creech AFB is pending at HQ USAF.					
IMPACT IF NOT PROVIDED: Failure to provide adequate security measures to protect UAS assets at Creech AFB could result in their destruction and the possible loss of life. Combatant Commanders in the AOR will be denied critical full motion video of the battlefield when conducting direct action against the enemy, thus degrading their effectiveness and possible success in battle. Destruction of any active GCS or PPSL would directly affect the war effort and support to the warfighter in the Global War on Terrorism.					
ADDITIONAL: The costs for this project were developed based on current construction market conditions and historical construction costs at Creech AFB. This project meets the criteria/scope specified in Air Force Handbook 32-1084,					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CREECH AIR FORCE BASE, NEVADA		4. PROJECT TITLE UAS AT/FP SECURITY UPGRADES - TFI	
5. PROGRAM ELEMENT 25219	6. CATEGORY CODE 872-247	7. PROJECT NUMBER LKTC093111	8. PROJECT COST (\$000) 2,700
<p>"Facility Requirements". A preliminary 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; new construction. Therefore, a waiver of exception has been prepared. Sustainable principles will be integrated into the project design, development, and construction in accordance with Executive Order 13423 and other applicable laws and Executive orders. Civil Engineer: LtCol Patrick F. Fogarty, Comm (702) 652-4833. (Boundary Security Fencing: 7,500 LM = 24,608 LF.)</p> <p>JOINT USE CERTIFICATION: Mission requirements, operational considerations and location are incompatible with use by other components. This project supports Total Force Integration initiatives.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CREECH AIR FORCE BASE, NEVADA		4. PROJECT TITLE UAS AT/FP SECURITY UPGRADES - TFI	
5. PROGRAM ELEMENT 25219	6. CATEGORY CODE 872-247	7. PROJECT NUMBER LKTC093111	8. PROJECT COST (\$000) 2,700
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			162
(b) All Other Design Costs			81
(c) Total			243
(d) Contract			203
(e) In-house			41
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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: N/A			

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE OHIO				4. COMMAND: AIR FORCE MATERIEL COMMAND			5. AREA CONST COST INDEX 0.93			
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	AS OF 30 SEP 08	1,571	1,623	8,132	0	0	0	485	681	
END FY 2014	1,525	1,609	7,916	0	0	0	477	632	1,873	14,032
7. INVENTORY DATA (\$000)										
Total Acreage: 8,145										
Inventory Total as of : (30 Sep 08)										4,630,454
Authorization Not Yet in Inventory:										136,870
Authorization Requested in this Program:										48,000
Planned in Next Five Years Program:										52,900
Remaining Deficiency:										529,200
Grand Total:										5,397,424
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY				SCOPE		COST	DESIGN	STATUS		
CODE	PROJECT TITLE			SCOPE		\$,000	START	CMPL		
318-615	Convert for Advanced Power and Thermal Research			4,986	SM	21,000	Design	Build		
311-173	Information Technology Complex			9,832	SM	27,000	Design	Build		
				Total		48,000				
9a. Future Projects: Typical Planned Next Five Years:										
113-321	Replace West Ramp, Phase 2			58,000	SM	10,600				
171-851	AFIT Research Laboratory			5314	SM	14,700				
730-772	Chapel Activity and Religious Facility			2,323	SM	5,900				
111-111	Replace Primary Runway, South-End			84,541	SM	18,600				
921-167	Land Access Glide Slope Corridor			1	LS	3,100				
				Total		52,900				
9b. Restoration and Modernization (R&M) Unfunded Requirement (\$M)										156.0
10. Mission or Major Functions: Wright-Patterson Air Force Base, home of the 88th Air Base Wing, whose mission is to operate a world-class Air Base Wing that prepares and supports a war-winning capability, provides operational support and maintains 128 tenant organizations. Among these are: Headquarters Air Force Materiel Command, Aeronautical System Center, Air Force Research Laboratory, Air Force Institute of Technology, Development & Fielding Systems Group, 445th Air Lift Wing, Air Force Security Assistance Center, National Museum of the Air Force, and National Air and Space Intelligence Center.										
11. Outstanding pollution and Safety (OSHA) Deficiencies:										
a. Air pollution							0			
b. Water Pollution							0			
c. Occupational Safety and Health							0			
d. Other Environmental							0			

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WRIGHT PATTERSON AIR FORCE BASE, OHIO		4. PROJECT TITLE CONVERSION FOR ADVANCED POWER AND THERMAL RESEARCH LAB		
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 318-615	7. PROJECT NUMBER ZHTV063301	8. PROJECT COST (\$000) 21,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				16,332
CONVERT FACILITY 20023	SM	4,959	3,137	(15,556)
SDD & EP ACT2005	LS			(310)
ANTITERRORISM FORCE PROTECTION	SM	4,959	94	(466)
SUPPORTING FACILITIES				2,830
UTILITIES	LS			(84)
PAVEMENTS	LS			(98)
SITE IMPROVEMENTS	LS			(50)
ASBESTOS & LEAD BASE PAINT REMOVAL	LS			(399)
COMMUNICATIONS SUPPORT	LS			(135)
DEMOLITION	SM	6,758	298	(2,014)
PASSIVE FORCE PROTECTION MEASURES	LS			(49)
SUBTOTAL				19,162
CONTINGENCY (5.0%)				958
TOTAL CONTRACT COST				20,120
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,147
TOTAL REQUEST				21,267
TOTAL REQUEST (ROUNDED)				21,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(3,132
10. Description of Proposed Construction: Complete interior demolition; construction of new concrete-reinforced ground floor slab where required, construct interior superstructure to build second and third floors for new laboratories; provide stairs and freight/personnel elevators; insulation, relocate transformers; provide HVAC, plumbing, and electrical systems; construct a utility/personnel corridor connector from building 20023 to building 18A (Propulsion Directorate offices) for remote monitoring of research and for compliance with ADA access; and demolish 6,758 SM. Comply with DoD force protection requirements per Unified Facilities Criteria. Air Conditioning: 161 Tons				
11. Requirement: 11512 SM Adequate: 6526 SM Substandard: 11067 SM <u>PROJECT:</u> Conversion for Advanced Power and Thermal Research Lab (Current Mission) <u>REQUIREMENT:</u> A modern and flexible lab space is required to consolidate Propulsion Directorate's in-house activities supporting research, development & transition of advanced electrical power & thermal technologies for current (F-22 & Joint Strike Fighter) and future aircraft, spacecraft & directed energy weapon (DEW) systems. Consolidation of diverse research areas supports closer interaction & collaboration of the directorate's scientists/engineers leading to increased new technology development, reduced development & transition times, & improved reliability of advanced electrical power/thermal systems. Conversion of Facility 20023, affords the cooperative, interactive environment necessary for effective expansion & progress of advanced power/thermal research & development. Research areas include high-temperature superconductivity, plasma physics, magnetic materials development,				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WRIGHT PATTERSON AIR FORCE BASE, OHIO			4. PROJECT TITLE CONVERSION FOR ADVANCED POWER AND THERMAL RESEARCH LAB	
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 318-615	7. PROJECT NUMBER ZHTV063301	8. PROJECT COST (\$000) 21,000	
<p>high temperature & radiation hard electronics, power systems thermal management, & advanced, robust power distribution systems. Efforts between AF & its university/industry partners in a wide range of emerging power technologies for rapid infusion to the warfighter will be enhanced & allow AF to provide necessary management attention to power and thermal research required by AF Scientific Advisory Board (SAB). The 28 Jun 07 AF SAB identified thermal management as a current "show stopper" and limiting factor for current and future Air Force warfighting systems.</p> <p><u>CURRENT SITUATION:</u> The Power Propulsion labs are located in 4 geographically separated facilities. Research is currently hampered by limitations of outdated lab space, geographic separation, inefficient space, and lab layout. Most of these lab functions are located in F/20450, 1.5 miles away from the Propulsion Directorate Campus; an estimated 50 Power Division researchers, management/supervisors, support and maintenance personnel make two 30 minute round-trips/day, 5 days/week, for a total of 13,000 lost R&D man-hours/year. The Power Division is unable to exploit the full range of research capabilities due to failing infrastructure in a facility over 50 years old. Examples include 2 labs with new equipment closed within 1.5 years from loose asbestos containing material; 3 major steam leaks caused extensive equipment/facility damage--one cascading into a 5-day power outage building wide; power outages longer than 24 hours; roof leaks; HVAC systems emitting fine dirt and soot particles; and clogged storm/sanitary drains averaging 1/month resulting in repeated flooding of lower level rooms and damage to lab equipment. Facility 20450 has exceeded its life cycle usage & is scheduled for demolition due to major infrastructure deficiencies; all these deficiencies are beyond repair or replacement. Currently there is no other space on base to relocate the advance power and thermal research function. Facility 20023, adjacent to Propulsion Directorate Campus, is currently vacant, and is eligible for the National Register of Historic Places.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without this lab facility, continuation of aircraft/spacecraft power and thermal technologies research to recapitalize and modernize aging aircraft, satellites, and equipment will be severely impaired by continuing operation in an inadequate facility with on-going failing infrastructure. These activities are unable to utilize the full range of research equipment and effectively collaborate with industry/academia impacting thermal management operational issues (F-22 and JSF); next generation long range strike, intelligence surveillance reconnaissance, and DEW systems (non-lethal airborne active denial and precision strike airborne tactical laser) to provide nonlethal and precision weapons to reduce/eliminate collateral damage for Overseas Contingency Operations (OCO); and providing technologies to the battlefield supporting the Joint IED Defeat Organization functional area requirements. Without this lab facility, the Propulsion Directorate will not be able to extend their capabilities in superconducting/high energy density materials development; high-pulse, portable power battery development; etc. These constraints restrict the Power Division's ability to develop high power electrical systems for thermal management, DEW applications, innovative electrical power systems compatible with advanced propulsion concepts and electrical components and distribution systems for current and future aircraft and weapon systems, which are vital to maintaining air and space superiority. As many of these power technologies have dual-use applications which have a substantial impact on the local, state, and national economy, the degradation of the advanced power technologies mission impacts both the AF and the private sector, thus delaying transition of key technologies to the warfighter.</p> <p><u>ADDITIONAL:</u> The project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." there is only one option that will meet this</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION WRIGHT PATTERSON AIR FORCE BASE, OHIO		4. PROJECT TITLE CONVERSION FOR ADVANCED POWER AND THERMAL RESEARCH LAB	
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 318-615	7. PROJECT NUMBER ZHTV063301	8. PROJECT COST (\$000) 21,000
<p>requirement and a certificate of exception to an economic analysis 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: Mr. Dennis R. Mattson, (937) 257-6214. Convert Facility 20023: 4,959 SM = 53,370 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an as available basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION WRIGHT PATTERSON AIR FORCE BASE, OHIO		4. PROJECT TITLE CONVERSION FOR ADVANCED POWER AND THERMAL RESEARCH LAB	
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 318-615	7. PROJECT NUMBER ZHTV063301	8. PROJECT COST (\$000) 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			10 JAN
(5) Construction Start			10 FEB
(6) Construction Completion			12 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)
RELOCATE EQUIPMENT	3600	2010	2,984
COMMUNICATIONS SUPPORT	3600	2010	148

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION WRIGHT PATTERSON AIR FORCE BASE, OHIO		4. PROJECT TITLE INFORMATION TECHNOLOGY COMPLEX			
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 311-173	7. PROJECT NUMBER ZHTV053204	8. PROJECT COST (\$000) 27,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					21,385
INFORMATION TECHNOLOGY COMPLEX		SM	9,832	2,120	(20,844)
SDD & EPACT 2005		LS			(364)
ANTITERRORISM/FORCE PROTECTION		SM	9,832	18	(177)
SUPPORTING FACILITIES					2,965
UTILITIES		LS			(976)
PAVEMENTS		LS			(1,141)
SITE IMPROVEMENTS		LS			(485)
COMMUNICATIONS SUPPORT		LS			(364)
SUBTOTAL					24,350
CONTINGENCY (5.0%)					1,217
TOTAL CONTRACT COST					25,567
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					1,457
TOTAL REQUEST					27,025
TOTAL REQUEST (ROUNDED)					27,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(2,733
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural frame, roof systems, computer room, and secure space. Includes administrative space, special purpose space, miscellaneous infrastructure connections, site development, and all necessary support. Comply with DoD Minimum Antiterrorism Standards for Buildings per Unified Facilities Criteria.					
11. Requirement: 49160 SM Adequate: 0 SM Substandard: 33358 SM					
<u>PROJECT:</u> Information Technology Complex (ITC). (Current Mission)					
<u>REQUIREMENT:</u> An adequate facility is required to enable consolidation of classified/unclassified computing, engineering, modeling, simulation, analysis, and design capabilities for the ASC Capability Integration Directorate and Advanced Computational Analysis Directorate. This will permit the rapid infusion of information technology (IT) to enhance weapon system life-cycle acquisition and support capabilities. Essential to the Air Force's information superiority core competency, it will help in the development of doctrine and tactics, techniques, and procedures through simulation of offensive and defensive cyberspace missions in a controlled environment. The facility will provide the capability to model time critical scenarios with or without human operators in the loop, such as Middle East Battlefield simulation.					
<u>CURRENT SITUATION:</u> Current simulation and modeling facility (SIMAF) functions are located in separate and overcrowded facilities which do not offer the capability to perform multiple security level projects. Lack of space prohibits accurate modeling of real world situations. Work load for information/operations range and the F-35 has been turned down. SIMAF has a 10% historic growth rate and is out of space to expand. New supercomputers in the Major Shared Resource Center (MSRC) exceed the current facility infrastructure capability with no room for mechanical and structural expansion. Computational power will increase 15X in the next 5 years and will require a 5X increase in cooling and power. Of the 222M central processor unit hours required in FY08, the systems are limited to providing only					

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3. INSTALLATION AND LOCATION WRIGHT PATTERSON AIR FORCE BASE, OHIO			4. PROJECT TITLE INFORMATION TECHNOLOGY COMPLEX	
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 311-173	7. PROJECT NUMBER ZHTV053204	8. PROJECT COST (\$000) 27,000	
<p>76M hours. Since FY05, \$7.5M has been spent on the MSRC facility to upgrade the power and cooling in the existing facility. In the same time frame, nearly \$20M has been spent on the SIMAF facilities to upgrade power and cooling. Another \$15.2M is project to be required in FY15 which would only partially solve the utility problems and not address the space shortage.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without this facility, prolonged cycle time for IT deployment will continue to restrict real-time solutions to the war fighter. The inability to provide a collaborative integrated facility with critical secure computing and engineering spaces will reduce the AF's capability to develop, incorporate and deploy technology faster, cheaper and smarter. The lack of a single complex for IT development, integration and transfer will continue to result in decreased effectiveness, redundancy in IT development and unnecessary operating costs. The current Chief Information Office (CIO) mandates for interoperability, IT security, and re-engineering for agile combat support systems, critical to the AF 2020 vision, will be adversely impacted.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An Economic Analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. 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: Mr. Dennis R Mattson, Director, (937) 257-6214. Information Technology Complex: 9,832 SM = 105,831 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

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3. INSTALLATION AND LOCATION WRIGHT PATTERSON AIR FORCE BASE, OHIO		4. PROJECT TITLE INFORMATION TECHNOLOGY COMPLEX	
5. PROGRAM ELEMENT 72806	6. CATEGORY CODE 311-173	7. PROJECT NUMBER ZHTV053204	8. PROJECT COST (\$000) 27,000
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			1,350
(4) Construction Contract Award			10 JAN
(5) Construction Start			10 MAR
(6) Construction Completion			12 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)
COMM. SPECIAL PURPOSE EQUIP.	3080	2011	246
SYSTEMS FURNITURE	3400	2011	361
PREWIRED WORKSTATIONS	3400	2011	1,238
COMM. SWITCHING EQUIPMENT	3400	2011	52
USER UNIQUE EQUIPMENT	3600	2011	304
EQUIPMENT RELOCATION COSTS	3400	2011	77
CLASSIFIED LAN/LINK TO MSRC	3600	2011	454

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM				2. DATE			
3. INSTALLATION AND LOCATION ALTUS AIR FORCE BASE OKLAHOMA			4. COMMAND: AIR EDUCATION AND TRAINING COMMAND			5. AREA CONST COST INDEX 1.01				
6. Personnel	PERMANENT			STUDENTS			SUPPORTED			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 08	261	1094	1188	1414	706	0	0	0	546	5,209
END FY 2014	263	1090	1186	1665	758	0	0	0	546	5,508
7. INVENTORY DATA (\$000)										
a. Total Acreage:	7,056									
b. Inventory Total as of : (30 Sep 08)										
										1,626,048
c. Authorization Not Yet in Inventory:										
										3,500
d. Authorization Requested in this Program:										
										20,300
f. Planned in Next Five Years Program:										
										16,427
g. Remaining Deficiency:										
										0
h. Grand Total:										
										1,666,275
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)										
CATEGORY							COST	DESIGN	STATUS	
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>			<u>\$,000</u>	<u>START</u>	<u>CMPL</u>	
112-211	Repair Taxiways			234,547	SM		20,300	Apr 08	Sep 09	
				Total			20,300			
9a. Future Projects: Typical Planned Next Five Years:										
111-111	Replace RWY 174/354 ALZ			1,326	LM		7,427			
730-142	Construct Fire Station			2,805	SM		9,000			
				Total			16,427			
9b. Real Property Maintenance Backlog This Installation: (\$M) 121										
10. Mission or Major Functions: The 97 AMW is responsible for formal training of all C-17 and KC-135 for active duty, Guard and Reserve aircrews, while maintaining worldwide capability to augment Global Reach contingency support. The 97 AMW has complete responsibility for all refueling of military aircraft in its assigned sector of the continental United States. In addition, the 97 AMW is an integral part of two Strategic Homeland Defense Missions, Coastal Defense and Maritime Interdiction.										
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION ALTUS AIR FORCE BASE, OKLAHOMA		4. PROJECT TITLE REPAIR TAXIWAYS			
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 112-211	7. PROJECT NUMBER AGGN983005P2	8. PROJECT COST (\$000) 20,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					14,805
EXPAND KEEL		SM	63,279	23	(1,450)
CONSTRUCT PCC KEEL		SM	80,923	99	(8,009)
CONSTRUCT TWY LIGHTS & SHOULDER WORK		SM	90,345	59	(5,346)
SUPPORTING FACILITIES					3,491
DEMOLITION		SM	247,033	14	(3,491)
SUBTOTAL					18,296
CONTINGENCY (5.0%)					915
TOTAL CONTRACT COST					19,210
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					1,095
TOTAL REQUEST					20,305
TOTAL REQUEST (ROUNDED)					20,300
10. Description of Proposed Construction: Remove and dispose of existing asphalt and stressed pavements on the taxiway, apron areas and shoulders. Enlarge approx 10,000 lf of concrete keel from 50 ft to 75ft wide; replace asphalt and concrete taxiways, narrowing them from 62.5 ft to 25 ft. Realign/replace edge lighting and conduit. Includes antiterrorism/force protection requirements per the Unified Facility Criteria.					
11. Requirement: 224396 SM Adequate: 64381 SM Substandard: 76046 SM					
PROJECT: Repair Taxiways. (Current Mission)					
REQUIREMENT: High quality airfield pavements are required to continue the large number of training flights conducted by student pilots in support of the pilot training mission. Taxiway width must be increased to meet current aircraft criteria. Repairs of the existing taxiways are required to ensure proper drainage, reduce the potential for expensive mission impact from foreign object debris (FOD) damage to aircraft engines and enhance training. Obsolete taxiway edge lighting and conduit shall be replaced to accommodate the wider taxiway.					
CURRENT SITUATION: Altus flies 26,600 hrs through 5,200 sorties a year in a dynamic & complex training environment. However, Altus possesses the second worst airfield pavements out of 13 AETC bases. Taxiway C is dilapidated, marked with various types of failures and posses a stratospheric FOD potential. Additionally, the airfield is currently operating under waivers due to a taxiway width of only 50 feet and the misaligned lighting. The assigned aircraft require a pavement width of 75 feet. The taxiway lights are currently out of alignment and do not comply with airfield regulations. The narrow taxiway and displaced taxiway lighting provides a poor and unsafe training environment for student pilots. With student pilots flying approximately 60 sorties per day and using this rapidly deteriorating taxiway, the potential for mishaps is a major concern. Asphalt shoulders have outlived their designed useful life expectancy. They were constructed over 50 years ago and have never undergone a major repair. These loadbearing pavements and shoulders are severely cracked and deteriorated requiring constant maintenance to prevent FOD damage to aircraft engines. In addition, poor drainage causes ponding water on several areas of the taxiway. This ponding accelerates damage and deterioration of the asphalt creating more problems with the taxiway shoulders. Slurry seal coating placed on the shoulders several years ago is starting to come					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ALTUS AIR FORCE BASE, OKLAHOMA			4. PROJECT TITLE REPAIR TAXIWAYS	
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 112-211	7. PROJECT NUMBER AGGN983005P2	8. PROJECT COST (\$000) 20,300	
<p>up in chunks. In 1996, the Corps of Engineers evaluated the airfield and failed many of the areas on the airfield. In 1998, the airfield was evaluated by a team of airfield pavement experts from Air Force Civil Engineer Support Agency (AFCESA). Once again portions of the airfield failed the evaluation. AFCESA further stated that deterioration of the airfield had expanded. Of the 12 million square feet of airfield pavement at Altus, 22% of the existing pavement has been rated from poor to failed with 18% being in the failed category. Only 7% rated fair.</p> <p>IMPACT IF NOT PROVIDED: Failure to accomplish this project will result in the continued use of a narrow taxiway not in compliance with Air Force aircraft safety measure regulations. Aircrews will continue to be subjected to hazardous conditions while taxing aircraft. A quality-training environment will not be provided for student pilots. Continually increasing probability of foreign object damage to aircraft and maintenance cost to repair foreign object damage will continue to escalate. Airfield regulations will have to be continually waived due to the width of the taxiway "C". All taxiway lighting will remain obsolete and will be next-to-impossible to repair and keep operational.</p> <p>ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements", all applicable airfield design requirements. A preliminary analysis of reasonable options for accomplishing this project was done and there is not any alternative to airfield repairs. A certificate of exception has been prepared. This project is the second phase of a two-phase Airfield Repair Project to complete all Main Runway and Taxiway Repairs at Altus. The Base Civil Engineering Point of Contact is LTC Neil Wentz, (580) 481-6530. Repair Taxiways: 234,597 SM = 2,525,181 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ALTUS AIR FORCE BASE, OKLAHOMA		4. PROJECT TITLE REPAIR TAXIWAYS	
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 112-211	7. PROJECT NUMBER AGGN983005P2	8. PROJECT COST (\$000) 20,300
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			02-APR-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			16-SEP-09
(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			1,218
(b) All Other Design Costs			609
(c) Total			1,827
(d) Contract			1,523
(e) In-house			305
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE OKLAHOMA				4. COMMAND: AIR FORCE MATERIEL COMMAND:			5. AREA CONST COST INDEX 0.91				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
	AS OF 30 SEP 08	288	848	12885	0	0	0	813	3282		197
END FY 2014	276	843	12859	0	0	0	778	3259	199	18,214	
7. INVENTORY DATA (\$000)											
Total Acreage:										5,028	
Inventory Total as of : (30 Sep 08)										4,148,946	
Authorization Not Yet in Inventory:										150,450	
Authorization Requested in this Program:										13,037	
Planned in Next Five Program Years										84,700	
Remaining Deficiency:										836,100	
Grand Total:										5,233,233	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)											
CATEGORY					COST	DESIGN	STATUS				
<u>CODE</u>	<u>PROJECT TITLE</u>				<u>SCOPE</u>	<u>\$,000</u>	<u>START</u>	<u>CMPL</u>			
211-157	Building 3001 Hangar Door				1 LS	13,037	Design	Build			
Total						13,037					
9a. Future Projects: Typically Planned Next Five Years											
740-884	Child Development Center				2,325 SM	11,800					
211-183	Construct T-9 Noise Suppressor Support				845 SM	3,900					
211-111	Alter AWACS Maintenance Group Facility				1,952 SM	10,200					
211-157	Upgrade Bldg 3001 Infrastructure Ph 3				1 LS	16,000					
149-962	Air Traffic Control Tower				692 SM	10,000					
740-674	Fitness Center				9,002 SM	32,800					
Total						84,700					
9b. Restoration and Modernization (R&M) Unfunded Requirement (\$M)										563	
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				

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		4. PROJECT TITLE BUILDING 3001 HANGAR DOOR			
5. PROGRAM ELEMENT 72976	6. CATEGORY CODE 211-157	7. PROJECT NUMBER WWYK083003A	8. PROJECT COST (\$000) 13,037		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					10,520
HANGAR DOOR & SUPPORT STRUCTURE		LS			(9,667)
UTILITY RELOCATIONS		LS			(853)
SUPPORTING FACILITIES					1,227
PAVEMENTS		LS			(967)
COMMUNICATIONS		LS			(260)
SUBTOTAL					11,747
CONTINGENCY (5.0%)					587
TOTAL CONTRACT COST					12,334
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					703
TOTAL REQUEST					13,037
TOTAL REQUEST (ROUNDED)					13,037
10. Description of Proposed Construction: Construct new hangar door on west side of B3001 to accommodate independent aircraft moves throughout the hangar, sized to accommodate KC-135 aircraft. Modify existing site utilities and reroute existing building interior utilities to facilitate new door, demolish single story lean-to, and modify existing concrete pavement for new tow-way to hangar door access.					
11. Requirement: LS Adequate: LS Substandard: LS					
<u>PROJECT:</u> Building 3001 Hangar Door. (Current Mission)					
<u>REQUIREMENT:</u> A new hangar door on the west side is required to ensure faster turnaround in heavy maintenance, overhaul, and repair processes supporting the increasing workload demands of the Programmed Depot Maintenance (PDM) work centers in support of the aging KC-135 aircraft fleet. Access to aircraft is an element of the AFMC/OC-ALC long-term depot strategy to improve PDM processes and timelines to better support war fighter readiness.					
<u>CURRENT SITUATION:</u> Currently nine Program Depot Maintenance docks share two hangar doors, trapping KC-135 aircraft inside the dock and driving inefficient group moves resulting in an estimated annual cost of \$1M in direct and indirect labor hours. Present aircraft workload (maintenance, repair and overhaul) and a significant portion of Airborne Accessories workload (airframe accessories) is performed in Building 3001.					
<u>IMPACT IF NOT PROVIDED:</u> Without the new dock 3 access door, the war fighter will not have the required number of aircraft to perform their mission and the Air Force will not realize the \$1M annual savings labor costs.					
<u>ADDITIONAL:</u> There is no criteria/scope specified for the project in Air Force Handbook 32-1084, "Facilities Requirements." Previous authorized and appropriated projects: FY04, Building 3001 revitalization, Phase I (\$19.4M); FY06, Upgrade Building 3001 Infrastructure, Phase II (\$20M). Base Civil Engineer : Mr. Gene Gallogly, P.E., Phone (405) 734-3451.					
<u>JOINT USE CERTIFICATION:</u> 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.					

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3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		4. PROJECT TITLE BUILDING 3001 HANGAR DOOR	
5. PROGRAM ELEMENT 72976	6. CATEGORY CODE 211-157	7. PROJECT NUMBER WWYK083003A	8. PROJECT COST (\$000) 13,037
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) All Other Design Costs 650</p> <p>(4) Construction Contract Award 10 FEB</p> <p>(5) Construction Start 10 MAR</p> <p>(6) Construction Completion 11 AUG</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed YES</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>			

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION DYESS AIR FORCE BASE, TEXAS						4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 0.96		
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 08		710	4579	753	28	137	3	4	32	41	6,287
END FY 2014		722	4723	723	28	137	3	4	32	41	6,413
7. INVENTORY DATA (\$000)											
a. Total Acreage:											5,403
b. Inventory Total as of : (30 Sep 08)											1,537,378
c. Authorization Not Yet in Inventory:											0
d. Authorization Requested in this Program:											4,500
f. Planned in Next Five Years Program:											24,700
g. Remaining Deficiency:											130,100
h. Grand Total:											1,696,678
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)											
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000		DESIGN START		STATUS CMPL	
CODE											
211-175	C-130J Alter Hangar			6,535	SM	4,500	May 08	Sep 09			
				Total		4,500					
9a. Future Projects: Typical Planned Next Five Years:											
610-243	Mission Operations Center			2,549	SM	10,300					
131-111	Add/Alter Communications Center			1,600	SM	7,400					
610-243	C-130 Group Headquarters / OSS			2,014	SM	7,000					
				Total		24,700					
9b. Real Property Maintenance Backlog This Installation:											155
10. Mission or Major Functions: 7th Bomb Wing comprised of B-1B bombers; B-1B Combat Crew Training; 317th Airlift Group comprised of C-130 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

DD Form 1390, 9 Jul 02

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION DYESS AIR FORCE BASE, TEXAS		4. PROJECT TITLE C-130J ALTER HANGAR			
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 211-175	7. PROJECT NUMBER FNWZ100006	8. PROJECT COST (\$000) 4,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					3,528
ALTER OVERHEAD FALL PROTECTION STRUCTURE		LS			(600)
UPGRADE FIRE SUPPRESSION SYSTEM		LS			(1,100)
REPAIR ROOF		LS			(550)
PERMANENT EMERGENCY EYE WASH STA		EA	4	25,000	(100)
UPGRADE INTERIOR UTILITIES		LS			(400)
CONSTRUCT TOOL ISSUE		SM	152	1,615	(245)
CONSTRUCT WOMENS LATRINE		SM	20	3,014	(60)
RENOVATE INTERIOR ADMIN SPACES		SM	730	450	(329)
AT/FP		SM	6,535	7	(46)
SDD & EPACT05		SM	6,535	15	(98)
SUPPORTING FACILITIES					522
REROUTE UNDERSLAB 16 INCH FIRE LINE		LM	170	3,060	(520)
AIRFIELD MARKINGS		LS			(2)
SUBTOTAL					4,050
CONTINGENCY (5.0%)					203
TOTAL CONTRACT COST					4,253
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					242
TOTAL REQUEST					4,495
TOTAL REQUEST (ROUNDED)					4,500
<p>10. Description of Proposed Construction: Construction improvements to include upgrades to fire detection and suppression, fall protection, lighting and electrical, interior administration finishes, plumbing, and emergency eye wash stations. Additionally, construction to include interior expansion of tool issue and latrines, and repairs to hangar roof leaks. Site work to include modification of underslab fire suppression main. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria.</p> <p>Air Conditioning: 10 Tons</p>					
<p>11. Requirement: 5 EA Adequate: 1 EA Substandard: 4 EA</p> <p>PROJECT: Renovate existing C-130 Isochronical Maintenance Inspection (ISO) maintenance hangar. (New Mission)</p> <p>REQUIREMENT: Fully covered hangar space of sufficient size to accommodate heavy aircraft repairs and modifications for two C-130J-30 airframes, including required clearances between aircraft and building structures. Hangar shall be properly equipped with overhead fall protection, fire detection and suppression, lighting and utilities, secured tool issue, administrative space for work coordination and observation, and other constructions elements as necessary.</p> <p>CURRENT SITUATION: The existing hangar was constructed in 1955 with no major upgrades to the facility. The building is of adequate size but the existing utilities require upgrades. The existing fire suppression is the original overhead deluge system for the hangar bays and a wet pipe system for the pods. The heat detectors repeatedly have false alarms and the detection and reporting equipment</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION DYESS AIR FORCE BASE, TEXAS			4. PROJECT TITLE C-130J ALTER HANGAR	
5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 211-175	7. PROJECT NUMBER FNWZ100006	8. PROJECT COST (\$000) 4,500	
<p>are obsolete and unreliable. A new overhead fall protection structure was installed in 2006 but is configured for the C-130H model and will require modifications to match the footprint of the C-130J-30 model. Portable emergency eye stations are currently in use and require additional maintenance. The east admin pod has only one latrine, which currently services both males and females and introduces delays to production. The break area is not equipped with plumbing and fixtures to aid staff with sanitary dining conditions.</p> <p>IMPACT IF NOT PROVIDED: There are currently no work-arounds on Dyess AFB to perform certain heavy maintenance on the C-130J at Dyess AFB. If this project is not approved it will delay the maintenance operations associated with the aircraft.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary was conducted comparing alternatives of status quo, renovation, and new construction. It indicates that renovation is the most cost effective option that will meet operational requirements. A certificate of exception is being prepared. Sustainable principles will be intergrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive Orders. Base Civil Enginner: Lt Col John C. Womack, (325) 696-2250. C-130J Alter Hangar 4314 (6535 SM = 70,339 SF)</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

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5. PROGRAM ELEMENT 41132	6. CATEGORY CODE 211-175	7. PROJECT NUMBER FNWZ100006	8. PROJECT COST (\$000) 4,500																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>14-MAY-08</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>YES</td> </tr> <tr> <td>* (c) Percent Complete as of 01 JAN 2009</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>18-MAR-09</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>30-SEP-09</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>270</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>135</td> </tr> <tr> <td>(c) Total</td> <td>405</td> </tr> <tr> <td>(d) Contract</td> <td>338</td> </tr> <tr> <td>(e) In-house</td> <td>68</td> </tr> </table> <p>(4) Construction Contract Award 10 FEB</p> <p>(5) Construction Start 10 MAR</p> <p>(6) Construction Completion 11 MAR</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>				(a) Date Design Started	14-MAY-08	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of 01 JAN 2009	15%	* (d) Date 35% Designed	18-MAR-09	(e) Date Design Complete	30-SEP-09	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used		(a) Production of Plans and Specifications	270	(b) All Other Design Costs	135	(c) Total	405	(d) Contract	338	(e) In-house	68
(a) Date Design Started	14-MAY-08																												
(b) Parametric Cost Estimates used to develop costs	YES																												
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(e) In-house	68																												

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION GOODFELLOW AIR FORCE BASE TEXAS				4. COMMAND: AIR EDUCATION AND TRAINING COMMAND			5. AREA CONST COST INDEX 0.91				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED				
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
	AS OF 30 SEP 08	129	1002	793	255	1728	0	23	218	744	4,892
END FY 2014	129	998	793	255	1728	0	23	218	744	4,888	
7. INVENTORY DATA (\$000)											
a. Total Acreage:										1,136	
b. Inventory Total as of : (30 Sep 08)										838,457	
c. Authorization Not Yet in Inventory:										10,057	
d. Authorization Requested in this Program:										32,400	
f. Planned in Next Five Years Program:										21,300	
g. Remaining Deficiency:										8,700	
h. Grand Total:										910,914	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)											
CATEGORY					COST	DESIGN	STATUS				
<u>CODE</u>	<u>PROJECT TITLE</u>				<u>SCOPE</u>	<u>\$,000</u>	<u>START</u>	<u>CMPL</u>			
171-623	Joint Intel Tech Trng Fac, Ph I (TFI)				4,645 SM	18,400	May 08	Sep 09			
721-313	Student Dormitory (100RM)				5,290 SM	14,000	Design Build				
					Total	32,400					
9a. Future Projects: Typical Planned Next Five Years:											
131-111	Consolidated Communications Ops Cente				1,862 SM	9,100					
730-441	Consolidated Learning Center				3,299 SM	12,200					
					Total	21,300					
9a. Real Property Maintenance Backlog This Installation: (\$M)										121	
10. Mission or Major Functions: A training wing providing Joint DoD technical training in cryptology, intelligence, linguistics, and firefighting career fields.											
11. Outstanding pollution and Safety (OSHA) Deficiencies:											
a. Air pollution										0	
b. Water Pollution										0	
c. Occupational Safety and Health										0	
d. Other Environmental										0	

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION GOODFELLOW AIR FORCE BASE, TEXAS		4. PROJECT TITLE STUDENT DORMITORY (100 RM)			
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 721-313	7. PROJECT NUMBER JCGU083001	8. PROJECT COST (\$000) 14,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					10,799
STUDENT DORMITORY		SM	5,040	1,988	(10,020)
TRAINING MANAGER SPACE		SM	250	1,860	(465)
SSD & EPACT 05		SM	5,290	40	(210)
ANTITERRORISM FORCE PROTECTION		LS			(105)
SUPPORTING FACILITIES					1,815
UTILITIES		LS			(562)
PAVEMENTS (INCL TROOPWALKS)		LS			(286)
SITE IMPROVEMENTS		LS			(385)
CONCRETE DRILLED PIERS		LS			(152)
COMMUNICATIONS		LS			(131)
ADMIN SUPPORT FACILITY		SM	297	1,012	(300)
SUBTOTAL					12,614
CONTINGENCY (5.0%)					631
TOTAL CONTRACT COST					13,245
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					755
TOTAL REQUEST					14,000
TOTAL REQUEST (ROUNDED)					14,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(565
10. Description of Proposed Construction: Multi-story with reinforced concrete foundation/floor slabs, structural steel frame with brick veneer, and roof system. Includes room-bath-room modules (two students per room), laundries, training managers area, storage, communications network, and all necessary support. Add troopwalks to move marching troops from dorm to existing lateral troopwalks. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria.					
Air Conditioning: 127 Tons Grade Mix: E1-E4 200					
11. Requirement: 1359 RM Adequate: 935 RM Substandard: RM					
PROJECT: Construct a student dormitory. (Current Mission)					
REQUIREMENT: Properly sized and configured dormitories are required to support training of students. A major Air Force objective provides housing conducive to their proper rest, relaxation and personal well-being while providing a suitable study environment. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of vital training requirements. Troopwalks are required to move troops in formation from dorms to existing lateral troopwalks. This project is in accordance with the Air Force Dormitory Master Plan.					
CURRENT SITUATION: The base has insufficient on-base housing to accommodate the unaccompanied enlisted technical training students. Training requirement growth since 2001 has increased Goodfellow's training requirement by 40 percent. There are 311 student rooms currently triple bunked. The room deficit and number of triple bunked rooms will continue to grow as the Intelligence Trained Personnel					

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5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 721-313	7. PROJECT NUMBER JCGU083001	8. PROJECT COST (\$000) 14,000	
<p>Requirement (TPR) escalates to meet increased demands.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Non-availability of adequate living quarters will result in degraded learning environment, morale, productivity, and career satisfaction for our base student population. Student surges will create an inability to house students, causing critical intelligence courses to be pared down or eliminated.</p> <p><u>ADDITIONAL:</u> This project is being designed to the Air Force technical training dormitory construction standard and 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. Unaccompanied Housing RPM conducted: FY08 - \$4.0M (Act); FY09 - \$4.2M (Est); FY10 - \$4.4M (Est); FY11 - \$4.6M (Est); FY12 - \$5.0M. RPM data includes maintenance and repair costs incurred either through contract (including QoL projects), In-house resources and self-help. Base Civil Engineer: Maj John P. Baker, (325) 654-3464. Student Dormitory: 5,040 SM = 54,250 SF; Training Manager Space: 250 SM = 2,691SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility is programmed for joint use with the Army, and USMC; however, it is fully funded by the Air Force.</p>				

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5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 721-313	7. PROJECT NUMBER JCGU083001	8. PROJECT COST (\$000) 14,000	
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				700
(4) Construction Contract Award				10 FEB
(5) Construction Start				10 MAR
(6) Construction Completion				11 AUG
(7) Energy Study/Life-Cycle analysis was/will be performed				YES
b. Equipment associated with this project provided from other appropriations:				
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	
DORM FURNATURE	3400	2011	565	

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3. INSTALLATION AND LOCATION GOODFELLOW AIR FORCE BASE, TEXAS		4. PROJECT TITLE JOINT INTEL TECHNICAL TRAINING FACILITY PHASE 1 (TFI)			
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 171-623	7. PROJECT NUMBER JCGU053000	8. PROJECT COST (\$000) 18,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					11,678
INTEL ACADEMIC TRAINING FACILITY		SM	4,645	2,441	(11,338)
ANTITERRORISM FORCE PROTECTION		LS			(113)
SDD & EP ACT 05		SM	4,645	49	(227)
SUPPORTING FACILITIES					4,905
UTILITIES		LS			(920)
PAVEMENTS		LS			(693)
SITE IMPROVEMENTS		LS			(603)
COMMUNICATIONS		LS			(1,466)
MECHANICAL		LS			(822)
DRILLED CONCRETE PIERS		LS			(401)
SUBTOTAL					16,583
CONTINGENCY (5.0%)					829
TOTAL CONTRACT COST					17,412
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					992
TOTAL REQUEST					18,405
TOTAL REQUEST (ROUNDED)					18,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(1,645.0)
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, reinforced masonry walls with brick veneer, steel frame, standing seam metal roof system, lighted parking with signage, and landscaping. Integrate facility cooling into existing looped chiller system by extending equipment to plant extension with all supporting equipment interconnected with the SCIF complex by covered trenched troopwalk for plant piping and communications ducts. Includes antiterrorism/force protection requirements identified in DoD Unified Facilities Criteria. Air Conditioning: 111 Tons					
11. Requirement: 62653 SM Adequate: 38034 SM Substandard: 11010 SM PROJECT: Joint Intel Technical Training Facility. (Current Mission) REQUIREMENT: An adequate and properly configured intelligence academic training and administrative support facility is required to meet student training load, facility space, and facility capability requirements identified in the AETC Intel Image 2020 Area Development Plan. This project supports new and expanded intelligence training programs and is driven by Public Law 108-458, Dec 2004 (Reform Intelligence Community and Intelligence-Related Activities), Office of the Director of National Intelligence, National Intelligence Strategy, CSAF transformation of Intelligence, Surveillance, and Reconnaissance (ISR) as part of AF Transformation, and Air Force Future Total Force, moving traditional active-duty missions to AF Reserve and Guard components. A regular troopwalk is required to access the new facility. CURRENT SITUATION: Recent technological advancements in the intelligence field have resulted in changes in operating procedures of field units. In turn, the					

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3. INSTALLATION AND LOCATION GOODFELLOW AIR FORCE BASE, TEXAS			4. PROJECT TITLE JOINT INTEL TECHNICAL TRAINING FACILITY PHASE 1 (TFI)	
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 171-623	7. PROJECT NUMBER JCGU053000	8. PROJECT COST (\$000) 18,400	
<p>Training Group is required to integrate these new methods and procedures into the classroom, in the form of interactive courseware (ICW) and computer-based training (CBT). However, current facilities do not have the adequate space, configuration, or capability needed to support the current student training load (estimated 2,981 students in FY06) and required training equipment. In addition, requirements to implement new courses are not being met due to the lack of classroom space to support them. Insufficient classroom space has led to conducting two shift operations, however no surge capacity exist and third shift operation is not viable due to network system constraints. Intelligence training personnel requirements has increased 40% from post 911. Preliminary results from the Space Utilization Study indicate the "current facilities cannot efficiently accommodate existing or future training requirements." Improperly configured and inadequate classrooms will not support requirements for training computer systems and other equipment currently used by INTEL personnel in the field.</p> <p>IMPACT IF NOT PROVIDED: Crowded, substandard classroom facilities continue to negatively impact learning for students. Students continue to receive outdated training from obsolete teaching methods and equipment; they will not receive exposure to, nor training on the advanced equipment currently operational in the field in their follow-on assignments. This lack of training results in personnel who are not mission-ready when they arrive in their units; requiring additional on-the-job training in order to reach this status, this constitutes a failure to accomplish our training mission. If this project is not accomplished, instructors will be forced to continue use of old technology for training; technology that has been phased out by field units and is no longer in use. Critical Overseas Contingency Operation intelligence supplemental/advanced courses would be pared down/eliminated. The facilities lack of appropriate classroom space will continue to generate a shortfall for the training group under its current training demands, plus an even greater deficiency as the requirement for total ICW/CBT is implemented throughout the Training Group.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, third shift and status quo operations, new construction was found to be the most cost efficient over the life of the project. A certificate of exception will be prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. Base Civil Engineer, Lt Col. John P. Baker, (325) 654-3464, Joint Intel Technical Training Facility. 4,645 SM = 50,000 SF.</p> <p>JOINT USE CERTIFICATION: This facility is programmed for joint use with the Army, Navy, and Marines however; it is fully funded by the Air Force. This project supports Total Force Integration initiatives.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION GOODFELLOW AIR FORCE BASE, TEXAS		4. PROJECT TITLE JOINT INTEL TECHNICAL TRAINING FACILITY PHASE 1 (TFI)	
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 171-623	7. PROJECT NUMBER JCGU053000	8. PROJECT COST (\$000) 18,400
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			05-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,104
(b) All Other Design Costs			552
(c) Total			1,656
(d) Contract			1,380
(e) In-house			276
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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)
PREWIRED/SYS/CID FURNITURE	3400	2011	1,645

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS				4. COMMAND: AIR EDUCATION AND TRAINING COMMAND			5. AREA CONST COST INDEX 0.92				
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 08		2434	9611	5498	132	6843	0	2365	9866	2026	38,775
END FY 2014		2416	9199	5492	132	6843	0	2200	10000	1992	38,274
7. INVENTORY DATA (\$000)											
a. Total Acreage:		7,454									
b. Inventory Total as of : (30 Sep 08)											4,073,379
c. Authorization Not Yet in Inventory:											125,515
d. Authorization Requested in this Program:											113,879
f. Planned in Next Five Years Program:											559,015
g. Remaining Deficiency:											34,500
h. Grand Total:											4,906,288
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2010)											
CATEGORY		PROJECT TITLE		SCOPE		COST	DESIGN	STATUS			
CODE						\$,000	START	CMPL			
171-621	BMT Satellite Classroom/Dining Fac #1, P	9,898	SM	32,000	Oct 07	Sep 09					
721-311	Recruit Dormitory Phase 2	24,407	SM	77,000	Design Build						
171-621	Evasion, Conduct After Capture Trng Fac	1,487	SM	4,879	May 08	Sep 09					
						Total	113,879				
9a. Future Projects: Typical Planned Next Five Years:											
730-835	Security Forces Operations Center	3,948	SM	18,000							
171-621	BMT Satellite Classroom/Dining Fac #2, P	9,898	SM	32,000							
721-311	Recruit Dormitories, Phase 3	48,814	SM	148,000							
217-712	Consolidate Crypto Maintenance Fac	2,044	SM	4,300							
721-312	Dormitory (96 Rm)	3,200	SM	13,500							
100-001	Replace BMT Facilities	1	LS	154,030							
100-001	Replace BMT Facilities	1	LS	105,185							
100-001	Replace BMT Facilities	24,407	SM	79,000							
730-839	Reconstruct Airmans Gate	787	SM	5,000							
						Total	559,015				
9b. Real Property Maintenance Backlog This Installation: (\$M)											159
10. Mission or Major Functions: A training wing which includes Basic Military Training School, Security Forces, Combat Convoy/Arms/Control, Pararescue, Survival Evasion Resistance Escape, Logistics, Enlisted Aircrew, Services, Contracting, Vehicle Maintenance, and Military Training Instructor, Defense Language Institute English Language Center, and Inter-American Air Forces Academy, Department of Defense Military Working Dog Training. Additional missions include Air Force Security Forces Center, Recruiting, cryptographic maintenance, Air Force Reserve C-5 training, a major Air Force medical center, and Intelligence/Reconnaissance/Surveillance Operations.											
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE BMT RECRUIT DORMITORY, PHASE 2			
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 721-311	7. PROJECT NUMBER MPLS083737R2	8. PROJECT COST (\$000) 77,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					57,429
RECRUIT DORMITORY (1248 PN)		SM	19,900	2,365	(47,064)
INSTRUCTOR ADMINISTRATIVE SPACE		SM	1,225	2,275	(2,787)
TRAINING/FORMATION OPEN SPACE		SM	3,282	1,811	(5,944)
ANTITERRORISM/FORCE PROTECTION		LS			(545)
SDD AND EP ACT 2005		SM	24,407	45	(1,090)
SUPPORTING FACILITIES					11,976
SITE IMPROVEMENTS		LS			(2,031)
SPECIAL DRILLED PIER FOUNDATION		LS			(1,954)
UTILITIES		LS			(4,933)
PAVEMENTS (EXERCISE/DRILL PADS & TRACKS)		LS			(2,668)
COMMUNICATIONS INFRASTRUCTURE		LS			(390)
SUBTOTAL					69,405
CONTINGENCY (5.0%)					3,470
TOTAL CONTRACT COST					72,875
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					4,154
TOTAL REQUEST					77,029
TOTAL REQUEST (ROUNDED)					77,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(2,748
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. Complies with DoD force protection requirements as per the unified facilities criteria. Air Conditioning: 450 Tons					
11. Requirement: 150861 SM Adequate: 21552 SM Substandard: 129309 SM <u>PROJECT:</u> Construct Basic Military Training Recruit Dormitory. (Current Mission) <u>REQUIREMENT:</u> 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 Recruit Housing & Training (RH&T) facilities are required to accomplish the Basic Military Training (BMT) mission at Lackland AFB. This project provides the second RH&T dormitory building in the RH&T Replacement program. This RH&T facility will house a Basic Military Training Squadron including dormitory and administrative space. This project is designed to accommodate 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, exercise areas, war skills training areas, and pavilions for training weapons cleaning, storage, and latrines. <u>CURRENT SITUATION:</u> RH&T facilities, the BMT program, and Lackland AFB form an					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE BMT RECRUIT DORMITORY, PHASE 2		
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 721-311	7. PROJECT NUMBER MPLS083737R2	8. PROJECT COST (\$000) 77,000	
<p>initial, but lasting impression of the Air Force to all new recruits. Existing 210,000 SF 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 lives, 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) for the next 28 years according to the facility assessment study and detailed Economic Analysis. Available training hours, training quality, cohesiveness, and Esprit de Corps are degraded as a direct result of decentralized BMT facilities and functions. A centralized, master planned, BMT campus does not exist. BMT has difficulty accommodating summer recruit surges while accomplishing maintenance, repair and renovation projects of the aging, inadequate, and substandard RH&Ts. Recruits do not have the minimum standard square footage during surge and overhaul periods forcing as many as 65 recruits per flight in facilities designed for 50 recruits per flight. This further stresses infrastructure systems and accelerates deterioration. The fire protection system is inadequate and obsolete. The mechanical, electrical, and lighting systems and interior finishes are at the end of their useful lives and require replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> One of Lackland Air Force Base's primary missions is to educate and train every Basic Military Training (BMT) enlisted recruit when entering military service in the U.S. Air Force. Without quality BMT programs and state-of-the-art, master-planned facilities, the Air Force will have difficulty recruiting, training, and retaining new recruits. BMT schedules will continue to be stretched to critical levels that risk mission loss. 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. Significant capital must be spent to convert the existing RH&T facilities to meet current antiterrorism/force protection (AT/FP) criteria.</p> <p><u>ADDITIONAL:</u> 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 buildings, including living areas, classrooms areas, administrative areas, and dining/kitchen areas; 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, COMM (210) 671-2977. BMT Recruit Dormitory: 19,900 SM = 214,201 SF; Instructor Administrative Space: 1,225 SM = 13,185 SF; Training/Formation/Open Space: 3,282 SM = 35,327 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE BMT RECRUIT DORMITORY, PHASE 2	
5. PROGRAM ELEMENT 85976	6. CATEGORY CODE 721-311	7. PROJECT NUMBER MPLS083737R2	8. PROJECT COST (\$000) 77,000
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			3,850
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 SEP
(7) Energy Study/Life-Cycle analysis was/will be performed			YES
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
WALL LOCKERS & FURNISHINGS	3400	2010	2,557
ADPE	3400	2010	191

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE BMT SATELLITE CLASSROOMS/DINING FACILITY, NO. 1			
5. PROGRAM ELEMENT 84711	6. CATEGORY CODE 171-621	7. PROJECT NUMBER MPLS083737S1	8. PROJECT COST (\$000) 32,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					26,015
BMT CLASSROOMS		SM	4,846	1,914	(9,277)
KITCHEN, BAKERY, FOOD STORAGE		SM	1,824	3,755	(6,849)
DINING SERVERY		SM	3,228	2,825	(9,119)
ANTITERRORISM/FORCE PROTECTION		LS			(255)
SDD & EP ACT 05		SM	9,898	52	(515)
SUPPORTING FACILITIES					3,002
SITE IMPROVEMENTS (INCLUDING LANDSCAPING)		LS			(417)
SPECIAL DRILLED PIER FOUNDATION		LS			(700)
UTILITIES		LS			(1,535)
PAVEMENTS		LS			(100)
COMMUNICATIONS		LS			(250)
SUBTOTAL					29,017
CONTINGENCY (5.0%)					1,451
TOTAL CONTRACT COST					30,467
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					1,737
TOTAL REQUEST					32,204
TOTAL REQUEST (ROUNDED)					32,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(1,628.0)
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 elevator. Provides all necessary support and restores all areas disturbed by construction. Complies with DoD Minimum Antiterrorism/Force Protection Standards per UFC.					
11. Requirement: 9898 SM Adequate: 0 SM Substandard: 6996 SM					
PROJECT: Construct Basic Military Training (BMT) Satellite Classroom/Dining Facility. (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. This project provides the first of four satellite dining hall/classroom buildings in the Recruit Housing and Training (RH&T) replacement program; each will serve two new recruit dorms (~2500 recruits). This replaces dining hall and classroom facilities that are currently located in the Basic Military Training Squadron dormitory buildings.					
CURRENT SITUATION: RH&T facilities, the BMT program, and Lackland AFB form an initial, but lasting impression of the Air Force to all new recruits. 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 esprit de corps among the recruits. These facilities are outdated and are inadequate to support current and planned accessions of Air Force personnel considering future force structure and strength.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS			4. PROJECT TITLE BMT SATELLITE CLASSROOMS/DINING FACILITY, NO. 1	
5. PROGRAM ELEMENT 84711	6. CATEGORY CODE 171-621	7. PROJECT NUMBER MPLS083737S1	8. PROJECT COST (\$000) 32,000	
<p>Due to deterioration, age, and exceeding their useful life, 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 recruit surges while accomplishing maintenance, repair, and renovation projects on the aging, inadequate, and substandard RH&Ts. Recruits do not have the minimum standard square footage during surge and overhaul periods forcing as many as 65 recruits per flight in facilities designed for 50 recruits per flight. The existing classroom space in the RH&Ts is approximately one-half of what is needed. The mechanical, electrical, and lighting systems and interior finishes are at the end of their useful lives and require replacement.</p> <p>IMPACT IF NOT PROVIDED: Without quality BMT programs and adequate facilities, the Air Force will have difficulty recruiting, 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.</p> <p>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 buildings, including living areas, classrooms areas, administrative areas, and dining/kitchen areas; 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, COMM (210) 671-2977. BMT Satellite Classrooms/Dining Facility: 9,898 SM = 106,541 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE BMT SATELLITE CLASSROOMS/DINING FACILITY, NO. 1	
5. PROGRAM ELEMENT 84711	6. CATEGORY CODE 171-621	7. PROJECT NUMBER MPLS083737S1	8. PROJECT COST (\$000) 32,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			31-OCT-07
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,920
(b) All Other Design Costs			960
(c) Total			2,880
(d) Contract			2,400
(e) In-house			480
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 AND EQUIPMENT	3400	2010	1,628

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE EVASION, CONDUCT AFTER CAPTURE TRAINING FACILITY			
5. PROGRAM ELEMENT 85731	6. CATEGORY CODE 171-621	7. PROJECT NUMBER MPLS083005	8. PROJECT COST (\$000) 4,879		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,488
CLASSROOM FACILITY		SM	1,487	1,969	(2,928)
URBAN EVASION TRAINING LAB		LS			(475)
ANTITERRORISM/FORCE PROTECTION		LS			(17)
SSD & EP ACT 05		SM	1,487	46	(68)
SUPPORTING FACILITIES					908
SITE, UTILITIES, & PAVEMENTS		LS			(614)
SPECIAL FOUNDATION CONSTRUCTION		LS			(216)
SITE WORK FOR EVASION LAB		LS			(78)
SUBTOTAL					4,396
CONTINGENCY (5.0%)					220
TOTAL CONTRACT COST					4,616
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					263
TOTAL REQUEST					4,879
TOTAL REQUEST (ROUNDED)					4,879
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(2,488.0)
10. Description of Proposed Construction: Constructs a single-story Conduct After Capture Training Facility consisting of a drilled pier foundation with reinforced concrete footings, structural steel frame, masonry walls, and standing seam metal roof system as well as mechanical, electric equipment and communications rooms, fire protection systems, utilities, and parking. Constructs an outdoor, screened Urban Evasion Training Laboratory consisting of faux buildings, roads, vehicles, and other urban terrain features that replicate a Mideast urban environment. This project will comply with DoD antiterrorism/force protection requirements per the Unified Facility Criteria. Air Conditioning: 100 Tons					
11. Requirement: 1487 SM Adequate: 0 SM Substandard: 0 SM PROJECT: Construct Evasion and Conduct After Capture Training Facilities. (New Mission) REQUIREMENT: Provide adequately sized and properly configured facilities to support Evasion and Conduct After Capture (ECAC) training for Security Forces students at Lackland AFB. The course requirement is based on a tasking by the Chief of Staff of the Air Force (CSAF) to expand Survival, Evasion, Resistance, and Escape (SERE) training to at-risk Air Force members deploying to fight the Overseas Contingency Operations (OCO). ECAC is a four day (40 hour) curriculum designed to prepare Air Force Security Forces members, who do not receive Level-C Code of Conduct training, to survive the rigors of isolation. The course consists of full spectrum (wartime, peacetime, and hostage) captivity training in academic and Academic Role Play Laboratory (ARL) training environments and culminates with a hostage Resistance Training Laboratory (RTL). ECAC also provides academic training on evasion, personnel recovery principles, Tactics, Techniques & Procedures (TTP) and an evasion laboratory (EL) that provides hands-on practice using evasion TTP. Most ECAC academic lessons are taught at the SECRET level. All ARLs and the RTL					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE EVASION, CONDUCT AFTER CAPTURE TRAINING FACILITY	
5. PROGRAM ELEMENT 85731	6. CATEGORY CODE 171-621	7. PROJECT NUMBER MPLS083005	8. PROJECT COST (\$000) 4,879

are conducted at the SECRET level.

CURRENT SITUATION: There are no existing buildings at Lackland AFB available or suitable for renovation to meet the unique facility requirements for the Conduct After Capture Classroom Facility. The ECAC Classroom and interrogation room sizes and configurations are specialized. The need for secrecy is paramount because as soon as the enemy learns details about the Air Force resistance training, they will revise their interrogation procedures. There is space at Lackland AFB, to construct a new classroom facility as well as a supplementary secure, screened urban area for the Evasion Training.

IMPACT IF NOT PROVIDED: Without this facility, ECAC training cannot be implemented for at-risk Security Forces Airmen deploying to fight. These personnel will deploy without the training needed to survive the rigors of captivity.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". All known alternative options to address this facility requirement were considered during the development of this project including new construction, alteration of existing facilities, leased facilities and status quo. No option other than new construction could meet the mission requirements. A certificat of exception will be 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 Ardyce Clements, Commercial 210-671-2977.
Evasion, Conduct After Capture Training Facility: 1,487 SM = 16,000 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		4. PROJECT TITLE EVASION, CONDUCT AFTER CAPTURE TRAINING FACILITY	
5. PROGRAM ELEMENT 85731	6. CATEGORY CODE 171-621	7. PROJECT NUMBER MPLS083005	8. PROJECT COST (\$000) 4,879
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			294
(b) All Other Design Costs			147
(c) Total			441
(d) Contract			368
(e) In-house			74
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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 AND EQUIPMENT	3400	2010	2,488

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE				
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE UTAH			4. COMMAND: AIR FORCE MATERIEL COMMAND:			5. AREA CONST COST INDEX 1.03						
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL	
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
AS OF 30 SEP 08		333	1,274	10,161	0	0	0	192	2243	205	14,408	
END FY 2014		314	1,248	10,059	0	0	0	187	2234	206	14,248	
7. INVENTORY DATA (\$000)												
Total Acreage:		Main Base: 6,698			Little Mountain Test Annex: 750			UTTR: 954,471				
Inventory Total as of : (30 Sep 08)										4,322,858		
Authorization Not Yet in Inventory:										146,165		
Authorization Requested in this Program:										21,053		
Planned in Next Five Years Program:										141,182		
Remaining Deficiency:										215,300		
Grand Total:										4,846,558		
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)												
CATEGORY							COST	DESIGN	STATUS			
CODE	PROJECT TITLE	SCOPE		\$,000	START	CMPL						
211-154	F-22 Radar Cross Section Testing Fac	4,629	SM	21,053	Design	Build						
		Total		21,053								
9a. Future Projects: Typical Planned Next Five Years:												
211-111	F-35 Squadron Operations/Hangar/AMU	5,622	SM	22,000								
171-212	F-35 Add/Alter Simulator Facility	2,648	SM	15,100								
211-179	F-35 Fuel Cell Hangar	1,609	SM	7,280								
730-142	Fire Crash Rescue Station	3,900	SM	20,000								
116-665	F-22 T-10 Engine Test Cell	4,000	SM	2,502								
116-662	Install New PCC Apron NW End Taxiway A	31,570	SM	5,100								
216-642	649 MUNS STAMP/M&I Facility	3,716	SM	15,400								
721-312	Replace Dorms Phase 2 (120 RM)	3,958	SM	20,500								
721-312	Replace Dorms Phase 3 (120 RM)	3,958	SM	20,500								
214-425	Consolidated Transportation Facility, phase I	1,500	SM	6,500								
442-264	Munitions Storage Igloos	1,158	SM	6,300								
		Total		141,182								
9b. Restoration and Modernization (R&M) Unfunded Requirement (\$M)										140.8		
10. Mission or Major Functions: Hill Air Force Base is home to many operational and support missions with Ogden Air Logistics 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				

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. PROJECT TITLE F-22 RADAR CROSS SECTION TESTING FAC		
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 211-154	7. PROJECT NUMBER KRSM043003	8. PROJECT COST (\$000) 21,053	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				16,200
RCS TESTING FACILITY	SM	4,629	3,400	(15,739)
ANTITERRORISM FORCE PROTECTION	SM	4,629	33	(154)
SDD EP ACT2005	SM	4,629	66	(307)
SUPPORTING FACILITIES				2,850
UTILITIES	LS			(1,200)
PAVEMENTS	LS			(1,100)
SITE IMPROVEMENTS	LS			(200)
COMMUNICATIONS	LS			(350)
SUBTOTAL				19,050
CONTINGENCY (5.0%)				952
TOTAL CONTRACT COST				20,002
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,140
TOTAL REQUEST				21,142
TOTAL REQUEST (ROUNDED)				21,053)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(9,500
<p>10. Description of Proposed Construction: Construct a high bay industrial production facility with concrete foundation, floor slab, structural steel frame, insulated walls and roof. Includes aircraft vestibule, radar cross section inspection bay, radar control room, unisex restroom, lightning protection, fire detection/prevention, intrusion detection and all required utilities, pavements, site improvements, and communication support for a complete and usable facility. Extensive pavement work is required to provide tow apron for aircraft access to this facility. Site requires extensive utility work. Comply with DoD force protection requirements as per the Unified Facilities Criteria. Comply with sustainable design principles as mandated by EO 13423.</p> <p>Air Conditioning: 125 Tons</p>				
<p>11. Requirement: 5187 SM Adequate: 558 SM Substandard: 0 SM</p> <p><u>PROJECT:</u> Low Observable Radar Cross Section (RCS) Testing Facility. (New Mission)</p> <p><u>REQUIREMENT:</u> The Ogden Air Logistics Center has been designated as the Air Force Center of Industrial and Technical Excellence for composite repair work. Therefore, a specialized facility is needed to test the low observable radar characteristics of each fighter aircraft that will soon undergo depot level repair and modification at Hill AFB. Beginning in 2007, F-22 aircraft will be arriving in increasing numbers with a projected annual workload of 64 aircraft by 2013. Before these aircraft can be returned to their home units they must be tested to ensure that they have maintained the required level of radar stealth after they have undergone all required repair and modification.</p> <p><u>CURRENT SITUATION:</u> Currently there is no facility on Hill AFB with the capability to RCS test a complete fighter aircraft. The only facility currently performing RCS work is building 1424, which was designed for the cruise missile and is not capable of testing an entire aircraft.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without the RCS test facility, F-22 aircraft that will be</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. PROJECT TITLE F-22 RADAR CROSS SECTION TESTING FAC	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 211-154	7. PROJECT NUMBER KRSM043003	8. PROJECT COST (\$000) 21,053
<p>arriving at Hill AFB for depot level repair and modification will not be able to be RCS tested at Hill, but will need to be flown to Marietta, Georgia, the site of Lockheed's RCS facility for testing. If further modifications are necessary to improve the low observable qualities of the aircraft's radar signature, it must be returned to Hill AFB for further modification, and then tested again at Lockheed's facility. The estimated impact in dollars lost would be \$15M annually for F-22 repair, as well as delayed delivery dates of F-22 aircraft to their home units.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known 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: Col Harry Briesmaster III (801) 777-7505. RCS Testing Facility: 4,629 SM = 49,827 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. PROJECT TITLE F-22 RADAR CROSS SECTION TESTING FAC	
5. PROGRAM ELEMENT 27138	6. CATEGORY CODE 211-154	7. PROJECT NUMBER KRSM043003	8. PROJECT COST (\$000) 21,053
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			1,052
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
NON-ADD EQUIPMENT COSTS	3080	2011	9,500

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA				4. COMMAND: AIR COMBAT COMMAND			5. AREA CONST COST INDEX 0.94				
6. Personnel Strength		PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
AS OF 30 SEP 08	2253	7361	3589	0	2	0	0	0	306	13,511	
END FY 2014	2161	7111	3469	0	2	0	0	0	306	13,049	
7. INVENTORY DATA (\$000)											
a. Total Acreage:										3,168	
b. Inventory Total as of : (30 Sep 08)										3,735,796	
c. Authorization Not Yet in Inventory:										109,536	
d. Authorization Requested in this Program:										10,000	
f. Planned in Next Five Years Program:										41,760	
g. Remaining Deficiency:										122,600	
h. Grand Total:										4,019,692	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)											
CATEGORY						COST		DESIGN		STATUS	
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>		<u>\$,000</u>	<u>START</u>	<u>CMPL</u>					
730-832	West and LaSalle Gate Force Protection/Access	7,294	SM	10,000	Jun-08	Sep-09					
	Total			10,000							
9a. Future Projects: Typical Planned Next Five Years:											
211-159	F-22 Add/Alter Hangar Bay LO/CR Facility	930	SM	8,504							
211-179	Fuel Systems Maintenance Dock	4,503	SM	23,456							
171-475	Indoor Small Arms Range/Tower	2,788	SM	9,800							
	Total			41,760							
9b. Real Property Maintenance Backlog This Installation: (\$M)										75	
10. Mission or Major Functions: Headquarters Air Combat Command; a fighter wing with F-22A and F-15 fighters; 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	

DD Form 1390, 9 Jul 02

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA		4. PROJECT TITLE WEST AND LASALLE GATE FORCE PROTECTION/ACCESS		
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 730-832	7. PROJECT NUMBER MUHJ053008	8. PROJECT COST (\$000) 10,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				3,873
VISITOR CONTROL CENTER (LASALLE GATE)	SM	232	1,789	(415)
SENTRY CHECKHOUSE (LASALLE GATE)	SM	64	3,032	(194)
VEHICLE INSPECTION FACILITY	SM	85	2,870	(244)
TRUCK CANOPY	SM	500	840	(420)
STAND-OFF ROAD	SM	6,413	400	(2,565)
SDD & EPACT 05	SM	881	30	(26)
ANTITERRORISM/FORCE PROTECTION	SM	296	27	(8)
SUPPORTING FACILITIES				5,096
SITE WORK	LS			(1,850)
UTILITIES	LS			(873)
PAVEMENT	LS			(1,100)
GATES AND FENCING	LS			(65)
HYDRAULIC BARRIERS	LS			(600)
TRAFFIC SIGNAGE AND SIGNAL	LS			(200)
DEMOLITION	SM	1,086	215	(233)
COMMUNICATIONS	LS			(25)
ENVIRONMENTAL ABATEMENT	LS			(150)
SUBTOTAL				8,969
CONTINGENCY (5.0%)				448
TOTAL CONTRACT COST				9,418
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				537
TOTAL REQUEST				9,954
TOTAL REQUEST (ROUNDED)				10,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(145.0)
10. Description of Proposed Construction: Provide West Gate vehicle inspection facility, truck canopy, and 6,413 SM asphalt roadway. West Gate vehicle inspection facility with dog holding area and lighting, visual screening and active barriers, truck lane, curb and gutters, drainage, roadway lighting, striping and adjustments to the existing traffic. LaSalle Gate work to include a new visitor center and sentry check house, utilities, site work, communication support, traffic flow, landscaping, pavement, environmental abatement, demolition of five facilities (1,086 SM), and all other necessary support. This project will comply with DoD antiterrorism/force protection requirements per Unified Facilities Criteria. Air Conditioning: 15 Tons				
11. Requirement: 7294 SM Adequate: 0 SM Substandard: 51 SM PROJECT: West and LaSalle Gate Force Protection/Access. (Current Mission) REQUIREMENT: Correct force protection deficiencies identified in local, Air Force, and Joint Staff Integrated Vulnerability Assessments. Enable Langley to comply with the Air Force Installation Entry Control Facilities Design Guide, which states				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA			4. PROJECT TITLE WEST AND LASALLE GATE FORCE PROTECTION/ACCESS	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 730-832	7. PROJECT NUMBER MUHJ053008	8. PROJECT COST (\$000) 10,000	

that gates must be able to operate at all Force Protection Conditions (FPCONs), to include 100% inspections, and accommodate Random Antiterrorism Measures, to include random vehicle inspections. At the West Gate, an inspection area and search facility with a dog holding area is required to allow for the inspection of commercial and contractor vehicular traffic. A new three lane road is needed to provide adequate stand off distance for these vehicles and ability to pre-sort private and commercial truck traffic well outside the base entry control facility (ECF) while allowing for an uninterrupted traffic flow and reducing the length of the traffic queue line on Armistead Ave, a public road outside the base. The new stand-off road is also required to enable inspections of all traffic outside of the base perimeter, minimizing the risk to the base population and providing the appropriate standoff distance from AF facilities/assets. The LaSalle Gate requires a larger visitor center and sentry checkhouse to accommodate the increased number of sentries posted at the ECF.

CURRENT SITUATION: The current Langley AFB vehicle inspection procedures do not meet AT/FP requirements. There is no adequately sized area for vehicle inspections. Daily commercial vehicle inspections are conducted on the shoulder of the inbound roadway at the LaSalle gate creating congestion and a hazard to public traffic. Personnel use tents to house inspection equipment, and the location of the inspection area itself increases traffic congestion. If an unauthorized vehicle approaches the gate and must be turned away, the vehicle must enter the installation to turn around, creating a possible threat to the base populace. These security deficiencies were identified in the local and the Air Force Vulnerability Assessment.

IMPACT IF NOT PROVIDED: Daily commercial vehicle inspections will continue on the shoulder of the inbound roadway at the LaSalle gate causing traffic delays and a safety hazard. Personnel must continue operating out of tents for protection from the elements and the storage of inspection equipment. Base personnel remain at some degree of risk while unauthorized vehicles must enter the installation in order to turn around.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates there is only one option that will meet operational requirements; 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. Base Civil Engineer: LtCol Mark S. Allen, (757) 764-2025. (Stand-Off Road: 6,413 SM = 69,004 SF, Vehicle Inspection Facility: 85 SM = 914 SF, Truck Canopy: 500 SM = 5,380 SF, Visitor Center: 232 SM = 2,496 SF, Sentry Check House: 64 SM = 689 SF)

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

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA		4. PROJECT TITLE WEST AND LASALLE GATE FORCE PROTECTION/ACCESS	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 730-832	7. PROJECT NUMBER MUHJ053008	8. PROJECT COST (\$000) 10,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			600
(b) All Other Design Costs			300
(c) Total			900
(d) Contract			750
(e) In-house			150
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS EQUIPMENT	3400	2011	125
FURNISHINGS	3400	2011	20

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE				
INSTALLATION AND LOCATION FE WARREN AIR FORCE BASE WYOMING				COMMAND: AIR FORCE SPACE COMMAND			5. AREA CONST COST INDEX 1.01				
6. Personnel		PERMANENT			STUDENTS			SUPPORTED			TOTAL
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 Sep 08		371	2157	453	0	0	0	415	2218	725	6,339
END FY 2014		359	2122	454	0	0	0	403	2178	726	6,242
7. INVENTORY DATA (\$000)											
Total Acreage:		5,867									
Inventory Total as of : (30 Sep 08)							352,855				
Authorization Not Yet in Inventory:							34,200				
Authorization Requested in this Program:							9,100				
Planned in Next Five Years Program:							39,610				
Remaining Deficiency:							78,369				
Grand Total:							514,134				
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)											
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000		DESIGN START		STATUS CMPL	
CODE											
212-216	ADAL Missile Service Complex			1,438 SM		9,100		Apr 08		Sep 09	
				Total		9,100					
9a. Future Projects: Typical Planned Next Five Years:											
730-142	Consolidated Fire Station			2,504 SM		6,710					
722-351	Renovate Base Dining Facility			1,394 SM		3,800					
721-312	Renovate Dormitory 222			48 RM		15,600					
721-312	Renovate Dormitory 224			40 RM		10,900					
141-911	Consolidate MAFFO & Cold Storage			2,238 SM		2,600					
				Total		39,610					
9b. Real Property Maintenance Backlog This Installation (\$M)										56.3	
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. 90 SW operates 150 Minuteman III intercontinental ballistic missiles on full alert and maintains the missile fields across a 12,600-square-mile area in three states (Wyoming, Nebraska, and Colorado).											
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION FRANCIS E WARREN AIR FORCE BASE, WYOMING			4. PROJECT TITLE ADAL MISSILE SERVICE COMPLEX		
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 212-216	7. PROJECT NUMBER GHLN053010	8. PROJECT COST (\$000) 9,100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					6,894
OSC, KCC, KCCC ADDITION		SM	1,388	2,153	(2,988)
PROOF LOAD TEST PIT (PLTP)		SM	50	50,778	(2,539)
INTERIOR COMMUNICATIONS		SM	1,388	347	(481)
ANTITERRORIS FORCE PROTECTION		SM	1,388	540	(750)
SDD & EP ACT2005		LS			(135)
SUPPORTING FACILITIES					1,254
UTILITIES		LS			(202)
PAVEMENTS		LS			(752)
SITE IMPROVEMENTS		LS			(183)
INTERIOR/EXTERIOR COMMUNICATIONS		LS			(67)
DEMOLITION OF PROOF LOAD TEST PIT (PLTP)		SM	50	1,000	(50)
SUBTOTAL					8,148
CONTINGENCY (5.0%)					407
TOTAL CONTRACT COST					8,555
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					488
TOTAL REQUEST					9,043
TOTAL REQUEST (ROUNDED)					9,100)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(925
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, concrete masonry walls, sloped steel roof deck. Architectural design and construction materials will match those of the existing MMIII Complex. Includes minimum DoD interim force protection standards. The Proof Loaded Test Pit (PLTP) includes a 40 foot deep, 15 foot diameter underground concrete silo and foundation to house the testing apparatus with a moveable lid, 15x30 concrete masonry building with concrete foundation, floor slab, sloped steel roof deck, and a 200x200 foot asphalt vehicle docking area. Air Conditioning: 50 Tons					
11. Requirement: 11249 SM Adequate: 9811 SM Substandard: 1438 SM <u>PROJECT:</u> Add to and alter a missile service complex. (Current Mission) <u>REQUIREMENT:</u> A modern and efficient facility in which to perform missile component repair, technical training, administrative functions, and security and other code issuance. This requirement will provide adequate facilities to include a Keys and Codes Control Center (KCCC) and along with an Operational Security Keys and Codes (OSC) Center. The Proof Load Test Pit (PLTP) is an essential part of MMIII and provides a facility to test structural integrity of the missile carriage and erection vehicle that occurs 10-20 times each month. <u>CURRENT SITUATION:</u> The KCCC and OSC functions remain housed within historic facilities originally built as US Army cavalry stables in 1909. Their interior layouts are not conducive to effective mission accomplishment. Due to the lack of space, internal shop functions must compete or commingle with administrative functions. The heating, ventilating and air-conditioning systems are worn out and					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION FRANCIS E WARREN AIR FORCE BASE, WYOMING			4. PROJECT TITLE ADAL MISSILE SERVICE COMPLEX	
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 212-216	7. PROJECT NUMBER GHLN053010	8. PROJECT COST (\$000) 9,100	
<p>inadequate. Lighting in the buildings is poor and electrical overloads cause frequent circuit failure. The lack of fire suppression systems, alarm pulls stations, fire barriers and the use of non-fire rated materials has resulted in fire safety deficiencies. Additionally, these facilities are not collocated with the newly constructed Missile Service Complex, which is located over a mile away. Dispatching missile service teams and security forces must still visit both locations prior to transiting to missile field locations. The 40-year-old, dilapidated PLTP is physically separated from the MSC facility causing additional operational inefficiencies and lost man-hours due to travel between the facilities. Current location of the old PLTP is an example of extremely incompatible land use; this industrial mission function is between dormitories and family housing in the historic district. This project will complete the missile service function consolidation.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Personnel will continue to work in inadequate facilities with safety and fire code deficiencies. Additional man-hours will be necessary to satisfy mission requirements due to poor functional layout of the individual buildings. Essential functions related to missile service will continue to be physically separated from the new Missile Service Complex promoting greater inefficiency.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options (status quo, leasing, new construction) indicates there is only one option that will effectively meet the operational, statutory, and security criteria of functions required. Consequently, a full economic analysis was not performed. A Certificate of exception has been prepared. 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 Jonathan D. Webb, (307) 775-3600. Missile Service Complex (Addition) 1,438 SM = 15,482 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> Mission requirements, operational considerations, and location are incompatible for use with other components.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION FRANCIS E WARREN AIR FORCE BASE, WYOMING		4. PROJECT TITLE ADAL MISSILE SERVICE COMPLEX	
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 212-216	7. PROJECT NUMBER GHLN053010	8. PROJECT COST (\$000) 9,100
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			455
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
FURNISHINGS	3400	2011	300
COMM EQUIPMENT	3080	2011	625

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1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE 24-Apr-09			
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN			4. COMMAND: AIR COMBAT COMMAND (AFCENT)			5. AREA CONST COST INDEX 1.5				
6. Personnel Strength AS OF 30 SEP 08 END OF FY 2014	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	EN	CIV	OFF	ENL	CIV	
	CLASSIFIED DATA									Note 1
	CLASSIFIED DATA									
7. INVENTORY DATA (\$000)										
a. Total Acreage:										n/a
b. Inventory Total as of : (30 Sep 08)										n/a
c. Authorization Not Yet in Inventory:										n/a
d. Authorization Requested in this Program:										22,000
f. Planned in Next Five Years Program:										48,800
g. Remaining Deficiency:										TBD
h. Grand Total:										70,800
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY				COST	DESIGN	STATUS				
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>	<u>\$,000</u>	<u>START</u>	<u>CMPL</u>			
141-784	Passenger Terminal			5,017 SM	22,000	Design	Build			
				Total	22,000					
9a. Future Projects: Typical Planned Next Five Years										
211-152	Fighter Hangar			4,754 SM	21,000					
113-321	MEDEVAC Ramp Expan/Fire Station			6,905 SM	16,000					
141-232	Consolidated Rigging Facility			3,100 SM	11,800					
				Total	48,800					
9b. 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										N/A
b. Water Pollution										N/A
c. Occupational Safety and Health										N/A
d. Other Environmental										N/A

DD Form 1390, 9 Jul 02

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE PASSENGER TERMINAL			
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 141-784	7. PROJECT NUMBER ATUH100101	8. PROJECT COST (\$000) 22,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					17,107
PASSENGER TERMINAL		SM	5,017	3,313	(16,621)
ANTERRIORISM FORCE PROTECTION		LS			(166)
SDD & EPACT05		LS			(320)
SUPPORTING FACILITIES					2,366
DEMOLITION		LS			(582)
UTILITIES		LS			(392)
PAVEMENTS		LS			(1,103)
SITE IMPROVEMENTS		LS			(289)
SUBTOTAL					19,473
CONTINGENCY (5.0%)					974
TOTAL CONTRACT COST					20,447
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					1,574
TOTAL REQUEST					22,021
TOTAL REQUEST (ROUNDED)					22,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(850
10. Description of Proposed Construction: Construct a 5,017 SM two-story pre-engineered metal building configured for a passenger terminal facility at Bagram AB, Afghanistan. Work will include site preparation, paved parking and baggage handling areas, paved access to the adjacent street and cargo handling area, foundation, facility erection, and all infrastructure and utilities necessary to make a complete and usable facility (including force protection, fire suppression/protection, and communications, as required). Project also includes demo and removal of existing (temporary) facilities. Pre-existing site meets force protection requirements. All construction will comply with applicable DoD force protection standards.					
11. Requirement: 5017 SM Adequate: 0 SM Substandard: 929 SM					
<u>PROJECT:</u> Construct a Passenger Terminal. (Current Mission)					
<u>REQUIREMENT:</u> Provide an adequately sized and configured facility to meet the requirements for a secure Passenger Terminal at Bagram AB, Afghanistan. The facility should be sized to support rotational transitions for more than 18,000 personnel based at Bagram, personnel transiting through to other theater installations, temporary surges in personnel, and personnel on temporary duty to Bagram AB. The total area will be adequate to accommodate a peak 3-hr passenger loading of 800 personnel. This 3-hr load requires a Category III passenger terminal facility (min SM: 4,371; max SM: 7,430) based on the AMC Passenger Terminal Facility Design Guide. This project will provide climate-control for receiving and processing personnel; baggage, briefing, and holding areas; and service counters and administrative space for control and deployment support operations. The inbound layout will include space for the following functions: Air Terminal Operations Center (ATOC), LOGCAP Liaison Officer, Pass & ID, PERSCO, restrooms, briefing rooms, and storage. The outbound layout will include office space and secure areas for sterile passengers, customer service counter space,					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN			4. PROJECT TITLE PASSENGER TERMINAL	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 141-784	7. PROJECT NUMBER ATUH100101	8. PROJECT COST (\$000) 22,000	
<p>restrooms, and both secured and unsecured passenger holding areas. The facility will integrate with the existing Strategic/Tactical Airlift Ramps and Cargo Handling Area at Bagram to provide comprehensive passenger and cargo operations, increasing efficiencies in airlift support.</p> <p><u>CURRENT SITUATION:</u> Bagram AB is the busiest military airfield in the Afghanistan theater. The current Passenger Terminal consists of an inadequately sized pre-engineered building that regularly requires passengers to wait for airflow outside (exposed to the harsh Afghanistan climate) or in the adjacent USO facility. Customs processing and secure holding areas have been forced into an adjacent and also undersized facility. The facilities have not been expanded to accommodate continuously-increasing through-put since they were planned in 2004. Bagram now acts as the main Reception, Staging, Onward Movement and Integration (RSOI) hub in Afghanistan processing over 25,000 personnel and 12,000 short tons of cargo per month. During peak periods, over 800 personnel transit through Bagram each day from a facility designed to handle only 250. Once personnel are manifested on an outbound flight, they must remain in the secure holding area. If flight delays occur, personnel are required to remain overnight or for several days, resulting in further overcrowding. In addition, infrastructure supporting the current terminal was not designed to handle its existing load. Vehicle parking and access for passenger buses, baggage transport trucks and forklifts currently consist of gravel-covered areas with poor stormwater drainage and poor traffic-flow. Roads in the area often become congested and/or (in inclement weather) severely degraded, subsequently delaying traffic accessing the nearby Strategic Airlift Ramp.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The current inadequately-sized facility will continue to operate as the main passenger terminal for Bagram, the Afghanistan theater's primary hub for staging and onward movement. Overcrowding will continue to force the expansion of personnel holding areas into outdoor, uncovered and poorly secured areas near heavy equipment operations and other traffic. Passenger reception and processing facilities will remain inadequately secured and geographically separated from the currently undersized main terminal, resulting in redundant and inefficient passenger processing into and out of the base (and theater); effective airlift support of personnel will continue to degrade. The goal of fully-integrated, secure passenger and cargo operations linking the airlift ramps, Cargo Handling Area, and reception facilities will not be met, resulting in inefficiencies and reduced mission capabilities.</p> <p><u>ADDITIONAL:</u> 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. 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. The project is supported in CENTCOM's Master Plan Priority List. No Host Nation assistance with construction costs is expected from the host nation; a Pre-Financing statement has been filed with NATO in case future use patterns indicate the possibility of cost-sharing. Civil Engineer: Maj John P. Baker; DSN 318-431-4410. Passenger Terminal: 5,017 SM = 54,000 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE PASSENGER TERMINAL	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 141-784	7. PROJECT NUMBER ATUH100101	8. PROJECT COST (\$000) 22,000
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			1,100
(4) Construction Contract Award			09 DEC
(5) Construction Start			10 FEB
(6) Construction Completion			11 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
FURNISHINGS AND EQUIPMENT	3400	2011	650
COMMUNICATIONS EQUIPMENT	3080	2011	200

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION PALANQUERO AIR BASE, COLUMBIA			4. COMMAND: Air Combat Command			5. AREA CONST COST INDEX Not Available				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 08	0	0	0	0	0	0	0	0	0	0
END FY 2014	unk	unk	unk	unk	unk	unk	unk	unk	unk	unk
7. INVENTORY DATA (\$000)										
a. Total Acreage:										0
b. Inventory Total as of : (30 Sep 08)										0
c. Authorization Not Yet in Inventory:										0
d. Authorization Requested in this Program:										46,000
e. Authorization Included in the Following Program: (FY 2011)										0
f. Planned in Next Four Years Program:										0
g. Remaining Deficiency:										0
h. Grand Total:										46,000
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY		PROJECT TITLE		SCOPE		COST	DESIGN	STATUS		
CODE						\$,000	START	CMPL		
141-753	Air Base Development			4,312	SM	46,000	May-08	Sep-09		
						Total	46,000			
9a. Future Projects: Included in the Following Program: (FY2011)										
None										
9b. Future Projects: Typical Planned Next Four Years:										
None										
9c. Real Property Maintenance Backlog This Installation: (\$M)										N/A
10. Mission or Major Functions: This Cooperative Security Location (CSL) enhances the U. S. Global Defense Posture (GDP) Strategy which directs development of a comprehensive and integrated presence and basing strategy aligned with the principles of developing relations with partner nations. Palanquero provides an opportunity for conducting full spectrum operations throughout South America including CN missions. It also supports mobility missions by providing access to the entire continent, except the Cape Horn region, if fuel is available, and over half of the continent if unrefueled.										
11. Outstanding Pollution and Safety (OSHA Deficiencies):										
a. Air pollution										N/A
b. Water Pollution										N/A
c. Occupational Safety and Health										N/A
d. Other Environmental										N/A

DD Form 1390, 9 Jul 02

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION PALANQUERO AB, COLOMBIA		4. PROJECT TITLE AIR BASE DEVELOPMENT		
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 141-753	7. PROJECT NUMBER HWBF108000	8. PROJECT COST (\$000) 46,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				34,314
SQUAD OPS/ MAINTENANCE OPS FACILITY	SM	2,340	1,886	(4,413)
BILLETING/FEEDING FACILITY - 250 PERS	SM	1,172	2,113	(2,476)
PARKING APRON	SM	9,000	2,070	(18,630)
MID-FIELD TAXIWAY	SM	7,000	200	(1,400)
CARGO APRON REPAIR	SM	7,000	130	(910)
TAXIWAY SHOULDER CONS	SM	8,000	33	(264)
FUEL ROAD	SM	1,500	180	(270)
200,000 GAL TANK AND FUEL POINT	LS			(3,617)
AIRCRAFT FIRE RESCUE ADAL	SM	800	2,152	(1,722)
ANTI- TERRORISM/FORCE PROTECTION - FACILITIES	LS			(612)
SUPPORTING FACILITIES				6,615
UTILITIES	LS			(2,600)
PAVEMENTS	LS			(1,085)
SITE IMPROVEMENTS	LS			(200)
COMMUNICATIONS	LS			(826)
FORCE PROTECTION/SECURITY	LS			(925)
STORM DRAINAGE	LS			(979)
SUBTOTAL				40,929
CONTINGENCY (5.0%)				2,046
TOTAL CONTRACT COST				42,975
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				2,793
TOTAL REQUEST				45,769
TOTAL REQUEST (ROUNDED)				46,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(4,200.0)
10. Description of Proposed Construction: Reinforced concrete foundation and concrete floor slab, structural steel frame, standing seam metal roof, masonry exterior, fire detection/protection, utilities, pavements, site improvements, SCIF, communication support, and all other necessary support for structural facilities. Construct concrete apron capable of supporting strategic airlift aircraft and refueling capabilities; the POL system will include a 200,000 gal fuel storage tank and necessary piping and offloading capabilities. This project will comply with antiterrorism/force protection requirements identified in DoD Unified Facilities Criteria. Apron strategic airlift & refueling adjoining existing apron Air Conditioning: 80 Tons				
11. Requirement: 139312 SM Adequate: 0 SM Substandard: 9000 SM PROJECT: Air Base Development. (Current Mission) REQUIREMENT: A fully functional airfield and ramp is essential for supporting the U.S. mission in Columbia and throughout the United States Southern Command (USSOUTHCOM) Area of Responsibility (AOR). Establishing a Cooperative Security				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION PALANQUERO AB, COLOMBIA			4. PROJECT TITLE AIR BASE DEVELOPMENT	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 141-753	7. PROJECT NUMBER HWHF108000	8. PROJECT COST (\$000) 46,000	

Location (CSL) at Palanquero best supports the COCOM's Theater Posture Strategy and demonstrates our commitment to this relationship. Development of this CSL provides a unique opportunity for full spectrum operations in a critical sub region of our hemisphere where security and stability is under constant threat from narcotics funded terrorist insurgencies, anti-US governments, endemic poverty and recurring natural disasters. This project will accommodate transport/supply, fueling and operational aircraft in the AOR. The outlined scope will construct approximately 135K SM of new strategic airlift capable apron with associated shoulders and appropriate airfield lighting and apron illumination systems, repair approximately 7K SM of existing cargo apron to meet strategic airlift and refueling aircraft requirements, construct approximately 8K SM of taxiway shoulders, and construct minimal necessary operational, maintenance, and operations support space to accommodate theater operations. This includes approximately 2300 SM of operations and maintenance space and 2000 SM of operational support space and augmenting the existing aircraft refueling infrastructure with an additional 200,000 gallons of storage capacity and two new truck refueling points. Appropriate extensions and upgrades of the existing airfield lighting, electrical, water, and waste water systems will also be accomplished. All vertical construction will include appropriate anti-terrorism and force protection upgrades in accordance with the theater threat level. Additionally, minimal upgrades to existing base security systems will be accomplished.

CURRENT SITUATION: Access to Columbia will further its strategic partnership with the United States. The strong security cooperation relationship also offers an opportunity for conducting full spectrum operations throughout South America to include mitigating the Counternarcotics capability. Palanquero is unquestionably the best site for investing in infrastructure development within Columbia. Its central location is within reach of Andean Ridge counter narco-terrorist operations areas; the superb runway and existing airfield facilities will reduce construction costs; its isolation maximizes Operational Security (OPSEC) and Force Protection and minimizes the U.S. military profile. The intent is to leverage existing infrastructure to the maximum extent possible, improve the U.S. ability to respond rapidly to crisis, and assure regional access and presence at minimum cost. Palanquero supports the mobility mission by providing access to the entire South American continent with the exception of the Cape Horn region if fuel is available, and over half of the continent unrefueled. Although the runway is fully capable of supporting strategic airlift and refueling airframes, the associated taxiway and ramp/apron areas are deficient and in their current configurations, severely limiting the extended operational capabilities of this location. Additionally, the operations and support facilities need to be expanded to service the U.S. aircraft anticipated in the area for future mission requirements. Limited operations could be accomplished with expeditionary resources utilizing the existing infrastructure, but sustained operations require minimal construction outlined in this document.

IMPACT IF NOT PROVIDED: If these upgrades are not accomplished, it will severely limit the ability of USSOUTHCOM to support the U.S. Global Defense Posture (GDP) Strategy which directs development of a comprehensive and integrated presence and basing strategy aligned with the principles of developing relationships with partner nations, ensuring mutual benefits between US and partner nations, limited restrictions on U.S. freedom of action by partner nations and appropriate sharing of costs. Not funding this project will limit USSOUTHCOM to four other CSLs which are restricted to supporting aerial counter narcotics missions only and two other locations that, while not mission restricted, are too distant to accommodate mission requirements 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 was done. It indicates there is only one option that will meet operational requirements; new construction, however, using existing

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION PALANQUERO AB, COLOMBIA		4. PROJECT TITLE AIR BASE DEVELOPMENT	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 141-753	7. PROJECT NUMBER HWBF108000	8. PROJECT COST (\$000) 46,000

infrastructure to the maximum extent possible. 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. Development of this CSL will further the strategic partnership forged between the U.S. and Columbia and is in the interest of both nations, and improves the U.S. ability to respond rapidly to crisis, and assuring regional access and presence at minimal cost. A presence will also increase our capability to conduct Intelligence, Surveillance and Reconnaissance (ISR), improve global reach, support logistics requirements, improve partnerships, improve theater security cooperation, and expand expeditionary warfare capability. (Squadron/Maintenance Operations Facility: 2,340 SM = 25,178 SF; Billeting/Dining Facility: 1,172 SM = 12,611 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. Palanquero will provide joint use capability to U.S. Army, Air Force, Marine, and U. S. Interagency aircraft and personnel in addition to building partner capacity of the Columbian forces.

See Addendum
Dated 16 Nov 09

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION PALANQUERO AB, COLOMBIA		4. PROJECT TITLE AIR BASE DEVELOPMENT	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 141-753	7. PROJECT NUMBER HWBF108000	8. PROJECT COST (\$000) 46,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			14-MAY-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			2,760
(b) All Other Design Costs			1,380
(c) Total			4,140
(d) Contract			2,691
(e) In-house			1,449
(4) Construction Contract Award			09 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			13 AUG
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
EQUIPMENT NOMENCLATURE			
EQUIPMENT/FURNISHINGS	3400	2011	4,200

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE (KMC), GERMANY			4. COMMAND: UNITED STATES AIR FORCES IN EUROPE			5. AREA CONST COST INDEX 1.19					
6. Personnel		PERMANENT		STUDENTS			SUPPORTED			TOTAL	
Strength		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL		CIV
AS OF 30 SEP 08		1,284	5,674	2,624	0	0	0	137	1096	200	11,015
END FY 2014		1,193	5,337	2,605	0	0	0	139	1152	200	11,449
7. INVENTORY DATA (\$000)											
a. Total Acreage:										5,114	
b. Inventory Total as of : (30 Sep 08)										7,712,780	
c. Authorization Not Yet in Inventory:										291,009	
d. Authorization Requested in this Program:										34,700	
f. Planned in Next Five Years Program:										93,900	
g. Remaining Deficiency:										487,810	
h. Grand Total:										8,620,199	
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)											
CATEGORY		PROJECT TITLE		SCOPE		COST	DESIGN	STATUS			
CODE						\$,000	START	CMPL			
218-712		Aerospace Ground Equip Maint Complex		4,000	SM	11,500	Jun-08	Sep-09			
141-454		Contingency Response Group Compound -		7,700	SM	23,200	Jun-08	Sep-09			
		Total				34,700					
9a. Future Projects: Typical Planned Next Five Years:											
721-312		Dormitory (128 RM)		4,480	SM	18,500					
411-128		Deicing Fluid Storage & Dispensing Facility		300	CM	2,600					
721-312		Dormitory (192 RM)		6,720	SM	28,200					
721-312		Dormitory (192 RM)		6,720	SM	29,000					
141-753		37 AS Squad OPS/AMU		3,561	SM	15,600					
		Total				93,900					
9b. Real Property Maintenance Backlog This Installation: (\$M)										98	
10. Mission or Major Functions: Home of the 435th Air Base Wing & 86th Airlift Wing, as well as Headquarters US Air Forces in Europe, as the NATO Headquarters Air North. Ramstein AB is the central airlift hub for strategic and tactical airlift within the European theater. The wing's mission is the operation and maintenance of airlift assets composed of C-130s for tactical airlift, a C-40, C-20s & C-21s for DV airlift throughout Europe, Africa, and the Middle East.											
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY			4. PROJECT TITLE CONTINGENCY RESPONSE GROUP COMPOUND		
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 141-454	7. PROJECT NUMBER TYFR0530402	8. PROJECT COST (\$000) 23,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					17,206
SPECIAL EQUIPMENT STORAGE & MAINTENANCE		SM	1,674	1,596	(2,672)
ARMORY		SM	450	3,210	(1,445)
SPECIAL VEHICLE MAINTENANCE & STORAGE		SM	1,664	2,185	(3,636)
TRAINING & PROCESSING		SM	3,912	2,170	(8,489)
INTERIOR COMMUNICATION SUPPORT		LS			(480)
SDD & EPACT05		SM	7,700	42	(323)
ANTITERRORISM FORCE PROTECTION		SM	7,700	21	(162)
SUPPORTING FACILITIES					3,538
UTILITIES		LS			(835)
SITE DEVELOPMENT & IMPROVEMENTS		LS			(879)
PASSIVE FORCE PROTECTION MEASURES		LS			(310)
ENVIRONMENTAL SUPPORT		LS			(175)
DEMOLITION OF BUILDING # 2090		SM	875	414	(362)
PAVEMENTS & ROADS		SM	6,300	109	(687)
EXTERIOR COMMUNICATION SUPPORT		LS			(290)
SUBTOTAL					20,744
CONTINGENCY (5.0%)					1,037
TOTAL CONTRACT COST					21,781
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					1,416
TOTAL REQUEST					23,197
TOTAL REQUEST (ROUNDED)					23,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(550.0)
10. Description of Proposed Construction: All civil, structural, mechanical, electrical, fire prevention/alarm and communication supporting work necessary for the construction of a Contingency Response Group (CRG) compound, including space for training and personnel processing, special equipment storage and maintenance, parachute rigging, an armory for weapon storage, vehicle operations and parking area. Project consists of masonry or modular constructed facilities with sloped roofing systems on concrete foundation and floor slab, area roads including surrounding fence with entry gate and area lighting system, as well as demolition of facilities. Work shall include all other necessary support and must be in compliance with current US Air Force and German regulations and standards. This project will comply with DoD and EUCOM antiterrorism/force protection requirements identified in DoD unified facilities criteria.					
Air Conditioning: 10 Tons					
11. Requirement: 8660 SM Adequate: 960 SM Substandard: 7583 SM					
PROJECT: Contingency Response Group Compound (Current Mission).					
REQUIREMENT: Compound is required to accommodate command, administration, intelligence, planning and communications for the 86th Contingency Response Group (CRG); the first rapid deployment unit of its kind. Project consolidates dispersed					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY			4. PROJECT TITLE CONTINGENCY RESPONSE GROUP COMPOUND	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 141-454	7. PROJECT NUMBER TYFR0530402	8. PROJECT COST (\$000) 23,200	
<p>86 CRG temporary offices, many at Sembach AB, to locate them closer to the primary departure point at Ramstein AB and improve response times. This phase includes equipment storage, vehicle operations, parachute rigging, training and processing areas, and an armory near the CRG Headquarters building to be fully prepared for all deployment and training responsibilities. The first phase included the CRG Headquarters; was funded in FY00 with Kosovo Supplemental Funds and completed in FY03. Project must comply with safety and regional antiterrorism force protection standards.</p> <p>CURRENT SITUATION: The 86th Air Mobility Squadron portion is currently housed in a substandard hangar constructed in 1953 and a hardened aircraft shelter with no heat, running water or restrooms. The 786th Security Forces Squadron is located at Sembach AB, approximately 20 miles away in five different facilities. Latest contingency deployments resulted in poor response times because it took too long to gather personnel and equipment from these dispersed facilities and move them to the departure point at the Ramstein AB flightline. The longer it takes to get CRG on the scene for the mission, the less prepared the staging base is for follow-on Expeditionary Air Forces (EAF) fighting the war on terrorists in USAFE's area of interest.</p> <p>IMPACT IF NOT PROVIDED: Without adequate facilities, the 86 CRG mission to train, equip and deploy with speed, precision and lethality USAFE's initial, first on the scene operational and support force, cannot be accomplished in the required time frame dictated by operational plans. Furthermore the assessment and preparation of a staging base for EAF deploying in response to any contingency or wartime mission in USAFE's area of interest will be hindered due to required extensive personnel and equipment movements from various scattered locations up to 20 miles away from the Ramstein Mobility Processing Center. Personnel will be forced to continue working out of substandard, dispersed facilities; demoralizing personnel and possibly jeopardizing overall mission success due to vulnerable communication links between the differing sections.</p> <p>ADDITIONAL: This is Phase 2 of 2 phases and concludes the full 86 CRG requirement. It is currently ineligible for NATO funding, however a precautionary prefinance statement will be submitted in the event eligibility is established. The unit is an integral part of the NATO Response Force and played a key role during exercise "Steadfast Jaguar." Documentation is primarily based on user input and the Ramstein AB Flight Line Area Development Plan dated June 2000; the goal is to develop a high efficiency flight line for Ramstein's new role as USAFE's strategic/tactical airlift hub, processing personnel from all US Forces for contingency and wartime operations. This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options was done. Only one option meets operational requirements; new construction. An Economic Analysis 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. Special Vehicle Maintenance & Storage Facility: 1,664SM = 17,905SF, Training & Processing Facility: 3,912SM = 42,093SF, Special Equipment Storage & Maintenance Facility: 1,674SM = 18,012SF, Armory: 450SM = 4,842SF. Base Civil Engineer: Col. Richard J. Wheeler, 011-49-6371-47-6228.</p> <p>FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .7737</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis, however the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		4. PROJECT TITLE CONTINGENCY RESPONSE GROUP COMPOUND	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 141-454	7. PROJECT NUMBER TYFR0530402	8. PROJECT COST (\$000) 23,200
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,392
(b) All Other Design Costs			696
(c) Total			2,088
(d) Contract			1,740
(e) In-house			348
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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)
SHELVING SYSTEM	3080	2010	380
LAN EQUIPMENT	3400	2010	80
TELEPHONES	3400	2010	90

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		4. PROJECT TITLE CONSTRUCT AEROSPACE GROUND EQUIPMENT MAINTENANCE COMPLEX			
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 218-712	7. PROJECT NUMBER TYFR053037	8. PROJECT COST (\$000) 11,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					8,649
MAINTENANCE FACILITY		SM	1,360	2,804	(3,813)
COVERED STORAGE		SM	2,400	1,386	(3,326)
OPEN STORAGE WITH OIL/WATER SEPARATOR		SM	240	145	(35)
JP-8 FUELING STATION WITH STORAGE TANK		EA	1	1,053,889	(1,054)
INTERIOR COMMUNICATION SUPPORT		LS			(306)
SDD & EP ACT 05		LS			(76)
ANTITERRORISM FORCE PROTECTION		LS			(38)
SUPPORTING FACILITIES					1,656
UTILITIES		LS			(460)
STORMWATER DRAINAGE		LS			(81)
EXTERIOR COMMUNICATION SUPPORT		LS			(244)
WASHRACK WITH FLUID RECYCLING SYSTEM		LS			(95)
DEMOLITION		SM	2,537	129	(327)
ENVIRONMENTAL SUPPORT		LS			(30)
PASSIVE FORCE PROTECTION MEASURES		LS			(71)
ROADS & PAVEMENTS		SM	3,742	69	(258)
SITE DEVELOPMENT & IMPROVEMENTS		LS			(90)
SUBTOTAL					10,306
CONTINGENCY (5.0%)					515
TOTAL CONTRACT COST					10,821
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					703
TOTAL REQUEST					11,524
TOTAL REQUEST (ROUNDED)					11,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(211.0)
10. Description of Proposed Construction: Project consists of masonry and prefabricated metal constructed facilities with sloped roofing systems on concrete foundation and floor slab, as well as JP-8 Equipment Refueling station. Includes demolition of five facilities, an access road, and a wash-rack. All civil, structural, mechanical, electrical, fire prevention/alarm and communication supporting work necessary to construct an Aerospace Ground Equipment Flight Maintenance Complex. Scope includes all other necessary support and must be in compliance with current US Air Force and German regulations. Includes antiterrorism/force protection requirements as per DoD Unified Facilities Criteria.					
11. Requirement: 3760 SM Adequate: 0 SM Substandard: 2537 SM					
PROJECT: Construct Aerospace Ground Equipment Maintenance Complex. (Current Mission)					
REQUIREMENT: Permanent facilities of adequate size and configuration are required to consolidate dispersed Aerospace Ground Equipment (AGE) functions at the busiest airlift hub in the US Air Force transportation infrastructure for Europe, Africa,					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY			4. PROJECT TITLE CONSTRUCT AEROSPACE GROUND EQUIPMENT MAINTENANCE COMPLEX	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 218-712	7. PROJECT NUMBER TYFR053037	8. PROJECT COST (\$000) 11,500	
<p>Asia and the Middle East. AGE facilities are an essential component of aircraft operations; at Ramstein required to support AGE activities for the following aircraft: C-141, C-5, C-17, C-130, KC-10, KC-135, C-20, C-21 and numerous other transient aircraft deployed to the European theater of operations. The types of equipment requiring repair, servicing, maintenance and storage include powered and non-powered units. Ramstein's AGE unit plays a critical role supporting airlift operations for deployment and reception of Army and Air Force personnel and equipment within the European Command and Middle East arena.</p> <p>CURRENT SITUATION: Conversion of this base from a fighter base to an airlift base, as well as the transition of the Rhein-Main mission, have made the current facilities inadequate to meet the needs of the Air Force and the 86th Airlift Wing. Two current facilities are scheduled for demolition due to Rhein Main Transition Program (RMTP) construction projects. The three Combat AGE Teams (CAT's) are geographically separated; severely degrading command and control of all AGE operations on base. The occupied primary facilities were not designed as AGE facilities, necessitating modification, self-help and continual workarounds in order to meet mission requirements. Additionally, two facilities are located approximately 450+ meters off the flight line, requiring equipment movement along public streets and through open parking lots to transport equipment between the shop and aircraft parking areas. A third building does not have drive-through capability requiring personnel to manually push large, heavy equipment in and out of the shop. The non-availability of a dedicated wash-rack forces equipment to be cleaned with portable high-pressure steam cleaners within the existing shop facilities. Contaminated water, dirt, and debris created by the process pose a significant hazard to both personnel and equipment that are forced to work in close proximity to the wash operations, as well as creating environmental concerns. The lack of covered storage area forces technicians to work outdoors 24 hours a day, 7 days a week regardless of weather conditions in order to perform minor maintenance.</p> <p>IMPACT IF NOT PROVIDED: Without adequate shop facilities, covered storage and other support facilities, personnel and equipment will be forced to continue operations in substandard and hazardous environments. The existing, as well as new arising workarounds, will continue to prove themselves as mission detractors. Personnel health and welfare will continue to be at high risk as they are forced to work exposed to harsh climate, especially during winter season. The unit will be forced to maintain separate production sections, degrading operational capability.</p> <p>ADDITIONAL: Project is eligible for NATO funding and will be conjunctively funded. The NATO funded portion (\$2.2M) provides for an austere facility constructed to meet NATO's minimum military requirement. The US cost share provides for facility features required for US quality standards, features not required by NATO as well as requirements driven by regulations and codes, such as AT/FP, ADA, and LEEDs. This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements". A preliminary analysis of reasonable options was done and indicated that only one option meets operational requirements. Therefore an economic analysis was not performed. A certificate of exception has been prepared. Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 12423 and other applicable laws and executive orders. Base Civil Engineer: Col. Richard J. Wheeler, 011-49-6371-47-6228. Maintenance Facility 1,360 SM = 14,634 SF, Covered Storage 2,400 SM = 25,824 SF, Open Storage 240 SM = 2,582 SF, JP-8 Equipment Fueling Station 45 CM = 11,888 GA.</p> <p>FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .7737</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY		4. PROJECT TITLE CONSTRUCT AEROSPACE GROUND EQUIPMENT MAINTENANCE COMPLEX	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 218-712	7. PROJECT NUMBER TYFR053037	8. PROJECT COST (\$000) 11,500
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			690
(b) All Other Design Costs			345
(c) Total			1,035
(d) Contract			863
(e) In-house			173
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
HOISTS	3400	2011	53
COMMUNICATION EQUIPMENT	3400	2011	47
FREQUENCY CONVERTER	3080	2011	111

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY			4. COMMAND: UNITED STATES AIR FORCES, EUROPE			5. AREA CONST COST INDEX 1.18				
6. Personnel Strength AS OF 30 SEP 08 END FY 2014	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	481	3,770	1,065	0	0	0	0	0	1,486	
	481	3,770	1,065	0	0	0	0	0	1,486	6,802
7. INVENTORY DATA (\$000)										
a. Total Acreage:		1,613								
b. Inventory Total as of : (30 Sep 08)		\$2,584,984								
c. Authorization Not Yet in Inventory:		\$27,862								
d. Authorization Requested in this Program:		\$23,500								
f. Planned in Next Five Years Program:		\$45,564								
g. Remaining Deficiency:		\$39,500								
h. Grand Total:		\$2,721,410								
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000		DESIGN START		STATUS
CODE										
740-674		Fitness Center		6,505	SM	\$23,500		Jun-08		Sep-09
				Total		\$23,500				
9a. Future Projects: Typical Planned Next Five Years:										
730-784		ADAL Elementary/Middle School		2,600	SM	\$17,709				
730-785		High School Complex		13,011	SM	\$27,855				
				Total		\$45,564				
9a. Real Property Maintenance Backlog This Installation (\$M):										120
10. MISSION OR MAJOR FUNCTIONS: A USAFE installation that is home to the largest fighter operation in Germany. In addition, Spangdahlem AB is the home of the 726 Air Mobility Squadron. A host Fighter Wing commands three fighter squadrons flying F-16 C&Ds and OA/A-10s, an air control squadron and an air mobility squadron flying C-17 and other larger cargo planes.										
11. OUTSTANDING POLLUTION AND SAFETY 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		4. PROJECT TITLE FITNESS CENTER		
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 740-674	7. PROJECT NUMBER VYHK043100	8. PROJECT COST (\$000) 23,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				17,560
FITNESS CENTER MAIN	SM	5,362	2,610	(13,995)
GYMNASIUM	SM	1,143	2,610	(2,983)
SDD & EP ACT 05	SM	6,505	52	(338)
ANTITERRORISM / FORCE PROTECTION	SM	6,505	26	(169)
INTERIOR COMMUNICATION SUPPORT	LS			(75)
SUPPORTING FACILITIES				3,462
SITE IMPROVEMENTS	LS			(600)
PASSIVE FORCE PROTECTION MEASURES	LS			(130)
UTILITIES	LS			(400)
PAVEMENT	LS			(630)
SUPPORTING FACILITIES	LS			(1,080)
DEMOLITION OF BLDG 152	SM	2,767	100	(277)
EXTERIOR COMMUNICATION SUPPORT	LS			(345)
SUBTOTAL				21,022
CONTINGENCY (5.0%)				1,051
TOTAL CONTRACT COST				22,073
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				1,435
TOTAL REQUEST				23,508
TOTAL REQUEST (ROUNDED)				23,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(250.0)
<p>10. Description of Proposed Construction: Construct a new fitness center facility with gymnasium and indoor running track for a total of 6,505 SM (70K SF). This project includes the following: foundation, structure, all utilities, lighting, parking, outdoor running track, sports field, landscaping, site improvements, fire alarm/suppression systems, communications, demolition of the inadequate part of the old fitness center building 152 and all other necessary work. The new facility will include space for functions as authorized in the design guide; lobby, administrative offices, support areas, cardio and weight rooms, locker rooms, a gymnasium with basketball court, group exercise rooms, fitness equipment spaces, racquetball courts, indoor running track and a Health and Wellness Center (HAWC). This project will be designed and constructed in compliance with EUCOM Anti-Terrorism/Force Protection (AT/FP) standards and will comply with DoD force protection requirements per the Unified Facilities Criteria.</p> <p>Air Conditioning: 160 Tons</p>				
<p>11. Requirement: 8569 SM Adequate: 2064 SM Substandard: 2767 SM</p> <p>PROJECT: Fitness Center (Current Mission).</p> <p>REQUIREMENT: Construct a modern, adequately sized and properly configured fitness center to conduct comprehensive and balanced physical fitness programs that are required by Spangdahlem Air Base personnel and their dependents. Construction of this new facility must provide Spangdahlem's Airmen the proper environment to become physically conditioned in order to meet Spangdahlem's peace and wartime</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		4. PROJECT TITLE FITNESS CENTER	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 740-674	7. PROJECT NUMBER VYHK043100	8. PROJECT COST (\$000) 23,500

missions, in addition to greatly improving the quality of life for Spangdahlem's personnel and their families. Provide safe fitness programs designed to focus on aerobic exercise, mental and physical health and indoor recreational activities which enable our Airmen to maintain compliance with Air Force fitness standards.

CURRENT SITUATION: Spangdahlem's fitness center is the oldest in USAFE, the second oldest overseas facility and was rated the fifth worst facility in the Air Force by the 2000 Air Force Fitness Center Survey (Note: The first four bases all have received new fitness centers). The age of this facility has led to unreliable mechanical and electrical systems. Additionally, the facility was located within the base's high risk quantity-distance (Q-D) explosive zone. This safety hazard has forced the installation to decrease its mission capabilities by reducing the size of munitions loaded on aircraft in that area. The current Spangdahlem fitness center is only 4,831 SM (52K SF), which is insufficient. The space deficiency has created an overcrowded environment for base personnel, which has resulted in Spangdahlem's Airmen rating physical fitness areas as their #1 Quality of Life issue. Additionally, the lack of space in the fitness center and the average 250-plus days of inclement weather makes it impossible for squadrons to create effective physical fitness programs.

IMPACT IF NOT PROVIDED: The Spangdahlem population will continue to operate in a Korean War Era fitness center that is smaller than authorized. Testing, training and indoor/outdoor sports will continue to be hindered by the lack of space. The installation will continue to limit their war-fighting capabilities by reducing the size of munitions loaded onto aircraft in order to keep the fitness center out of the high risk Q-D explosive zone.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facilities Requirements" and the Fitness Center Design Guide. This project is not eligible for NATO funding. Because the renovation costs significantly exceed the replacement costs, a full economic analysis was not completed. 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 Kathryn L. Kolbe, 011-49-6565-61-6302. Fitness Center: 6,505 SM = 69,994 SF.

FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .7737

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

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		4. PROJECT TITLE FITNESS CENTER	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 740-674	7. PROJECT NUMBER VYHK043100	8. PROJECT COST (\$000) 23,500
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,410
(b) All Other Design Costs			705
(c) Total			2,115
(d) Contract			1,763
(e) In-house			353
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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)
EQUIPMENT	3400	2011	250

1. COMPONENT AIR FORCE			FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE		
INSTALLATION AND LOCATION ANDERSEN AIR BASE GUAM				COMMAND: PACIFIC AIR COMMAND			5. AREA CONST COST INDEX 2.64			
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	AS OF 30 SEP 08	153	1,522	378	0	0	0	0	0	
END FY 2014	152	1,496	377	0	0	0	0	0	0	2,025
7. INVENTORY DATA (\$000)										
Total Acreage:										11,096
Inventory Total as of : (30 Sep 08)										4,831,300
Authorization Not Yet in Inventory:										45,815
Authorization Requested in this Program:										58,202
Planned in Next Five Years Program:										497,049
Remaining Deficiency:										0
Grand Total:										5,432,366
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY						COST	DESIGN	STATUS		
<u>CODE</u>	<u>PROJECT TITLE</u>				<u>SCOPE</u>	<u>\$,000</u>	<u>START</u>	<u>CMPL</u>		
214-425	NW Field Combat Support Veh Maint Fac (2,308 SM	\$15,500	May-08	Sep-09		
610-127	NW Field Commando Warrior Ops Facility (498 SM	\$4,200	May-08	Sep-09		
872-247	NW Field ATFP Perimeter Fence/Road (TFI				5,182 LM	\$4,752	May-08	Sep-09		
813-231	STRIKE FOL Electrical Infrastructure				1 LS	\$33,750	May-08	Sep-09		
					Total	\$58,202				
9a. Future Projects: Typical Planned Next Five Years:										
141-753	Strike FOL Tanker/Bomber Ops Bldg Renov				4,094 SM	\$8,300				
841-427	Strike FOL South Ramp Utilities Phase 1				1 LS	\$11,800				
219-944	NW Field Expeditionary Combat Supt OPS				1,515 SM	\$7,200				
219-943	NW Field RED HORSE Airfield Ops Fac (TF				1,737 SM	\$8,500				
721-311	NW Field AEF Dormitory (Student/Basic Tra				1,485 SM	\$10,000				
821-215	NW Field AEF Satellite Dining Facility (TFI)				797 SM	\$6,000				
141-782	Air Freight Terminal Complex				3,062 SM	\$17,200				
131-111	Consolidated Comm Facility				4,383 SM	\$16,000				
422-264	AEF FOL Munitions Storage Igloos, Ph 2				2,090 SM	\$5,349				
730-443	Postal Service Center				481 SM	\$3,400				
740-675	Library/Education Complex				1,180 SM	\$9,600				
100-001	Strike FOL - Various Facilities				1 LS	\$125,000				
100-001	Strike FOL - Various Facilities				1 LS	\$151,100				
100-001	Strike FOL - Various Facilities				1 LS	\$117,600				
					Total	\$497,049				
9b. Real Property Maintenance Backlog This Installation: (\$M)										129
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE NW FIELD COMBAT SUPPORT VEHICLE MAINT FACILITY (TFI)			
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 214-425	7. PROJECT NUMBER SAKW059100	8. PROJECT COST (\$000) 15,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					11,263
NW FIELD COMBAT SUPPORT VEHICLE MAINT FAC		SM	2,308	4,738	(10,935)
SDD & EP ACT 05		SM	2,308	95	(219)
ANTITERRORISM/FORCE PROTECTION		SM	2,308	47	(108)
SUPPORTING FACILITIES					2,815
UTILITIES		LS			(275)
PAVEMENTS		LS			(400)
SITE IMPROVEMENTS		LS			(790)
COMMUNICATIONS		LS			(150)
PARKING AND STORAGE		LS			(850)
ENVIRONMENTAL REMEDIATION		LS			(250)
ARCHEOLOGICAL MONITORING		LS			(100)
SUBTOTAL					14,078
CONTINGENCY (5.0%)					704
TOTAL CONTRACT COST					14,782
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)					916
TOTAL REQUEST					15,698
TOTAL REQUEST (ROUNDED)					15,500)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(75
10. Description of Proposed Construction: Construct a one story building with reinforced concrete foundation, floor slab, walls, and roof. The facility will include offices, repair shops, briefing/training area, storage areas, mechanical spaces, fire suppression/detection, intrusion detection system, environmental controls, utilities, pavements, parking, hazardous materials abatement, communications, environmental and archaeological monitoring 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. The facility must be able to withstand 190 mile-per-hour typhoon winds for doors, windows, roofs (170 mile-per-hour for other structural elements) and Seismic Zone 4 earthquake criteria. Air Conditioning: 50 Tons					
11. Requirement: 2308 SM Adequate: 0 SM Substandard: 0 SM <u>PROJECT:</u> NW Field Combat Support Vehicle Maintenance Facility. (Current Mission) <u>REQUIREMENT:</u> Project is required to support beddown of Combat Communications, Commando Warrior, RED HORSE and Silver Flag at the Northwest Field Area of Andersen AFB, Guam in support of the re-stationing initiative within the PACAF Theater to meet United States Government 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 is a mission beddown to a location where no unit of this type exists and no existing facilities are available for use. <u>CURRENT SITUATION:</u> The NW Field area, an abandoned WWII B-29 airfield overgrown by					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM			4. PROJECT TITLE NW FIELD COMBAT SUPPORT VEHICLE MAINT FACILITY (TFI)	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 214-425	7. PROJECT NUMBER SAKW059100	8. PROJECT COST (\$000) 15,500	
<p>jungle vegetation, has no facilities that can meet this mission requirement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> This project is critical to maintain mission ready status for Combat Communication, Commando Warrior, Red HORSE and Silver Flag squadrons relocating to the Northwest Field area of Andersen AFB. This facility will provide the only available on-site combat support vehicle maintenance facility and will be shared by the various AEF squadrons to maintain mission ready status. Without this facility, these units will not be able to adequately maintain their support vehicles resulting in their squadron's missions being severely compromised.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084 'Facility Requirements.' Supporting facility costs of primary facility are due to the need to install utilities; water, sanitary sewer, communications, and electricity; and pavement connecting this project site to those utilities being installed under separate FY07 and FY08 projects. Additional site improvement costs support the extensive clearing and grubbing necessitated by the overgrown jungle vegetation and the additional earthwork required to prepare the site for construction. Furthermore, due to extensive use of this facility in WWII, the anticipated site remediation and archaeological monitoring costs contribute significantly to the supporting facility costs. Also, additional parking area pavement is included in this project to provide vehicle storage space for the different units that will share this facility. 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: LtCol Peter A. Ridilla, (671) 366-7101. Vehicle Maintenance Facility: 2,308 SM = 24,843 SF</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements. This project supports Total Force Integration initiatives.</p>				

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3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE NW FIELD COMBAT SUPPORT VEHICLE MAINT FACILITY (TFI)	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 214-425	7. PROJECT NUMBER SAKW059100	8. PROJECT COST (\$000) 15,500
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			775
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 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)
FURNISHINGS AND EQUIPMENT	3400	2011	75

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE NW FIELD ATFP PERIMETER FENCE/ROAD (TFI)		
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 872-245	7. PROJECT NUMBER SAKW103002	8. PROJECT COST (\$000) 4,752	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				1,480
FENCE SCTY/VEH BAR	LM	5,182	277	(1,437)
SDD & EP ACT 05	LM	5,182	6	(29)
ANTITERRORISM/FORCE PROTECTION	LM	5,182	3	(14)
SUPPORTING FACILITIES				2,800
PAVEMENT - GRAVEL	SM	18,954	53	(1,005)
SITE IMPROVEMENTS	SM	18,954	71	(1,346)
ENVIRONMENTAL REMEDIATION	LS			(250)
ARCHEOLOGICAL MONITORING	LS			(200)
SUBTOTAL				4,280
CONTINGENCY (5.0%)				214
TOTAL CONTRACT COST				4,494
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)				279
TOTAL REQUEST				4,773
TOTAL REQUEST (ROUNDED)				4,752
<p>10. Description of Proposed Construction: Construct 5,182 LM of security fencing including clearing and grubbing, the installation of 8 ft high chain link fencing with 3-strands barbed wire out rigging, concrete post at 10'-0" o.c. with concrete footings, top and bottom rails, two auxiliary vehicle access gates and a parallel 12-foot wide gravel access road along the entire length of the fence. This fence will be installed on the northwest side of the base, from the north side of the Det 5 entrance to the cliff line near the Expeditionary Combat Support (ECS) campus. This project will comply with Dod antiterrorism/force protection requirements per unified facilities criteria. The fence structural components must be able to withstand 170 mile-per-hour typhoon winds and Seismic Zone 4 earthquake criteria.</p> <p>Air Conditioning: 0 Tons</p>				
<p>11. Requirement: 5182 LM Adequate: 0 LM Substandard: 0 LM</p> <p><u>PROJECT:</u> Construct 5,182 LM of ATFP Perimeter Fence/Road. (Current Mission)</p> <p><u>REQUIREMENT:</u> Project is required to support beddown of RED HORSE, Silver Flag, Combat COMM., and Commando Warrior squadrons at the Expeditionary Combat Support (ECS) campus in Northwest Field of Andersen AFB, Guam. The project will support the re-stationing 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 is a beddown of a mission to a location where no unit of this type exists and no existing facilities are available for use.</p> <p><u>CURRENT SITUATION:</u> NW Field of Andersen Air Force Base currently does not have a base perimeter Fence from the Det 5 gate to the cliff line. The lack of perimeter fencing results in the following problems:</p> <ul style="list-style-type: none"> - Civilians continually dump their trash, abandon their cars. - Poachers are frequently caught illegally hunting deer, boars, and other wild life without proper base clearance. There are many poaching trails running through the area and security forces is constantly tasked with flushing poachers off Air Force 				

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3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE NW FIELD ATFP PERIMETER FENCE/ROAD (TFI)	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 872-245	7. PROJECT NUMBER SAKW103002	8. PROJECT COST (\$000) 4,752

property.

IMPACT IF NOT PROVIDED: This project is critical to maintain security and mission ready status for RED HORSE, Silver Flag, Combat COMM., and Commando Warrior squadrons relocating the Expeditionary Combat Support (ECS) campus in Northwest Field of Andersen AFB, Guam. This fencing will provide the only available on-site security fencing for these squadrons within the ECS campus. Without this fencing, these units will not be able to adequately secure and maintain their operations resulting in each squadron's missions being severely compromised.

ADDITIONAL: This project meets the criteria/scope in AF handbook 32-1084, "Civil Engineering Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, lease/rent, relocate, and upgrade) was done. There is only one option that will meet the operational and current mission requirement. A certificate of exception will be prepared. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. BASE CIVIL ENGINEER: Lt Col Peter A. Ridilla (671) 366-7101. AEF Security Fencing: 5,185 LM = 17,000 LF

JOINT USE CERTIFICATION: This is an installation antiterrorism/force protection project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project. This project supports Total Force Integration initiatives.

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3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE NW FIELD ATFP PERIMETER FENCE/ROAD (TFI)	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 872-245	7. PROJECT NUMBER SAKW103002	8. PROJECT COST (\$000) 4,752
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) All Other Design Costs 237</p> <p>(4) Construction Contract Award 10 FEB</p> <p>(5) Construction Start 10 MAR</p> <p>(6) Construction Completion 11 JUN</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed YES</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE NW FIELD COMMANDO WARRIOR OPERATIONS FACILITY (TFI)			
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 610-127	7. PROJECT NUMBER SAKW053006	8. PROJECT COST (\$000) 4,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					2,681
OPERATIONS FACILITY		SM	498	5,226	(2,602)
SDD & EP ACT 05		SM	498	105	(52)
ANTI-TERRORISM/FORCE PROTECTION		SM	498	52	(26)
SUPPORTING FACILITIES					1,085
UTILITIES		LS			(250)
PAVEMENTS		LS			(185)
SITE IMPROVEMENTS		LS			(200)
COMMUNICATIONS		LS			(150)
ENVIRONMENTAL REMEDIATION		LS			(200)
ARCHEOLOGICAL MONITORING		LS			(100)
SUBTOTAL					3,766
CONTINGENCY (5.0%)					188
TOTAL CONTRACT COST					3,954
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)					245
TOTAL REQUEST					4,199
TOTAL REQUEST (ROUNDED)					4,200)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(200
10. Description of Proposed Construction: Construct single story concrete building with reinforced concrete foundation, walls and roof. The facility will include a command section, offices, briefing/training rooms, administration area, storage areas and mechanical spaces, fire suppression/detection, communications, environmental controls, utilities, pavements, parking, and all necessary supporting facilities for a complete and usable facility. The facility must be able to withstand 190 mile-per-hour typhoon winds for doors, windows, roofs (170 mile-per-hour for all other structural elements) and Seismic Zone 4 earthquake criteria. This project will comply with DoD anti-terrorism/force protection requirements per Unified Facilities Criteria. Air Conditioning: 18 Tons					
11. Requirement: 498 SM Adequate: 0 SM Substandard: 0 SM <u>PROJECT:</u> Commando Warrior Operations Facility. (Current Mission) <u>REQUIREMENT:</u> Project is required to support beddown of an air base ground defense training unit at Andersen AFB, Guam in support of the re-basing initiative within the PACAF Theater to meet US 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. Facility is required to support training of the command's personnel prior to deployment. This facility will provide 28 permanent cadre personnel with communications/computer support; information and material classified storage; and work space to establish and maintain lesson plans, course tests, and curriculum for three different training objectives (Ground Combat Skills, Electronic Security Systems, and USAF Anti-Terrorism Force Protection Level II) needed for training an annual student load of 1,200 security forces personnel.					

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3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE NW FIELD COMMANDO WARRIOR OPERATIONS FACILITY (TFI)	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 610-127	7. PROJECT NUMBER SAKW053006	8. PROJECT COST (\$000) 4,200
<p>CURRENT SITUATION: There are no facilities at Northwest Field, an abandoned WWII B-29 airfield overgrown by the jungle, that can meet this mission requirement. This mission is relocating to a site where no existing facilities are available. Project is late to need to meet PACAF-established requirement of Initial Operating Capability by FY07, therefore, temporary facility solutions are being implemented to support the move.</p> <p>IMPACT IF NOT PROVIDED: Security forces training unit will not have adequate command, control and training support to serve as the primary Pacific area school for security forces training. As a result the mission is severely compromised and many active duty personnel are deprived of realistic readiness training.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for 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 full economic analysis was not performed and 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. Commando Warrior Administrative Facility: 498 SM =5,358 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements. This project supports Total Force Integration initiatives.</p>			

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3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE NW FIELD COMMANDO WARRIOR OPERATIONS FACILITY (TFI)	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 610-127	7. PROJECT NUMBER SAKW053006	8. PROJECT COST (\$000) 4,200
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			210
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 MAY
(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)
FURNISHINGS	3400	2011	200

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE STRIKE FOL ELECTRICAL INFRASTRUCTURE (TFI)			
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 813-231	7. PROJECT NUMBER AJJY336449	8. PROJECT COST (\$000) 33,750		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES (ELEC INFRASTRUCTURE)					28,401
REPLACE SUBSTATION 1		SM	372	35,612	(13,248)
REPLACE 13.8 KV PRIMARY FEEDERS (UG)		LM	9,605	1,287	(12,366)
GPA CIR C/OVER TO NEW 34.5 KV SWGR		EA	4	323,250	(1,293)
UPGRADE SWITCH STATIONS D & F		EA	2	334,000	(668)
SDD & EP ACT 05 (2% PRIMARY)		LS			(551)
ANTITERRORISM/FORCE PROTECTION		LS			(276)
SUPPORTING FACILITIES					1,856
DISTRIBUTION CIRCUIT SITE IMPROVEMENTS		LS			(550)
SUBSTATION SITE IMPROVEMENTS		LS			(245)
UTILITY RELOCATION		LS			(275)
CONSTRUCTION TRAFFIC CONTROL/SAFETY		LS			(200)
SUBSTATION DEMOLITION		LS			(237)
ENVIRONMENTAL REMEDIATION		LS			(225)
ARCHEOLOGICAL MONITORING		LS			(125)
SUBTOTAL					30,258
CONTINGENCY (5.0%)					1,513
TOTAL CONTRACT COST					31,771
SUPERVISION, INSPECTION AND OVERHEAD (6.2%)					1,970
TOTAL REQUEST					33,741
TOTAL REQUEST (ROUNDED)					33,750
<p>10. Description of Proposed Construction: Replace existing Main Substation 1, (40/50 MVA) with new Main Substation 1, (60/80 MVA) including hardened 34.5 KV and 13.8 KV switchgear buildings, transformers, and power factor correction capacitors. Install new 13.8-kV tie-in Feeders consisting of electric distribution ducts, manholes, conductors and pad mounted switches the new Main Substation 1 to new mission facilities to be constructed along South Ramp. Install new cutovers connecting the new main substation to Guam Power Authority power feeders. Replace 13.8 KV switchgears at Switching Stations D and F. Install a new 13.8 KV tie-in underground/overhead feeder between the new Main Substation 1 and MSA to accommodate existing and increased power loads associated with new mission facilities within MSA. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Force protection measures, including new security fences (as required) will be installed around the new substation and distribution lines appurtenances. The facility must be able to withstand 190 mile-per-hour typhoon winds for doors, windows, roofs (170 mile-per-hour for other structural elements) and Seismic Zone 4 earthquake criteria.</p> <p>Air Conditioning: 84 Tons</p>					
<p>11. Requirement: 80000 KV Adequate: 0 KV Substandard: 40000 KV</p> <p>PROJECT: Construct new electrical substation and install new 13.8 KV feeders. (New Mission)</p>					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM			4. PROJECT TITLE STRIKE FOL ELECTRICAL INFRASTRUCTURE (TFI)	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 813-231	7. PROJECT NUMBER AJJY336449	8. PROJECT COST (\$000) 33,750	
<p>REQUIREMENT: These utility upgrades are required to meet SECDEF direction to posture Andersen as a power hub for intelligence, surveillance, reconnaissance, strike and aerial refueling assets. This facility will directly support Air Force ability to strike rapidly and effectively anywhere throughout the Pacific. This project is essential to provide a properly sized and configured electrical substation and infrastructure that will be hardened (i.e., conductors installed underground and equipment installed in reinforced concrete buildings) to withstand 190 miles-per-hour typhoon winds for doors, windows, roofs (170 MPH winds for other structural elements) and Seismic Zone 4 earthquake criteria, and meet the power requirements of new missions.</p> <p>CURRENT SITUATION: Electrical tie feeders from the Main Substation to Stations D and F are operating at full capacity, which creates low voltage problems at several locations along the South Ramp. Several existing 13.8 kV distribution feeders require new conductors to accommodate increased loads from new facilities scheduled to be constructed. The Main Substation's electrical equipment has some components which are old and deteriorated. The 34,500 (34.5kV) side of the Main Substation has not been upgraded by Guam Power Authority (GPA). The 34.5 kV oil circuit breakers are in poor condition. The 34.5 kV steel support structure is aged and in poor condition. On the 13,800 (13.8 kV) side of the Main Substation, the circuit breakers for feeders are within 7 years of their 25-year service life. This is the only facility serving power to the Base and is a single point of failure. Thus, the probability of electric power outages affecting large portions of the Base is quite high.</p> <p>IMPACT IF NOT PROVIDED: Due to age and condition, overloaded electrical circuits and low voltage problems will continue to cause power outages to facilities and compromise critical mission functions. The base will continue to be unable to provide a reasonably high degree of reliability for the electrical system serving aircraft operational areas, flight line maintenance, and other critical missions. The sudden losses of electrical power will cause an increase in safety problems due to disruption of fire protection and intrusion detection systems, except in buildings with emergency generators. Alarm activations due to power outages resulting in many man hours being lost to security forces and fire department personnel responding to facilities for no real reason.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. 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 Peter Ridilla, (671) 366-7101. Construct Substation and Install 13.8 KV Feeders: 80,000 KV/9,605 LM (31,504 LF)</p> <p>JOINT USE CERTIFICATION: This is an installation utility/infrastructure project, and does not qualify for joint-use at this location. However, all tenants on this installation will benefit by this project. This project supports Total Force Integration initiatives.</p>				

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3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE STRIKE FOL ELECTRICAL INFRASTRUCTURE (TFI)																											
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 813-231	7. PROJECT NUMBER AJJY336449	8. PROJECT COST (\$000) 33,750																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>15-MAY-08</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>YES</td> </tr> <tr> <td>* (c) Percent Complete as of 01 JAN 2009</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>30-JAN-09</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>30-SEP-09</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>2,025</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>1,013</td> </tr> <tr> <td>(c) Total</td> <td>3,038</td> </tr> <tr> <td>(d) Contract</td> <td>2,734</td> </tr> <tr> <td>(e) In-house</td> <td>304</td> </tr> </table> <p>(4) Construction Contract Award 10 FEB</p> <p>(5) Construction Start 10 MAR</p> <p>(6) Construction Completion 12 MAY</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>				(a) Date Design Started	15-MAY-08	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of 01 JAN 2009	15%	* (d) Date 35% Designed	30-JAN-09	(e) Date Design Complete	30-SEP-09	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used		(a) Production of Plans and Specifications	2,025	(b) All Other Design Costs	1,013	(c) Total	3,038	(d) Contract	2,734	(e) In-house	304
(a) Date Design Started	15-MAY-08																												
(b) Parametric Cost Estimates used to develop costs	YES																												
* (c) Percent Complete as of 01 JAN 2009	15%																												
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(e) Date Design Complete	30-SEP-09																												
(f) Energy Study/Life-Cycle analysis was/will be performed	YES																												
(a) Standard or Definitive Design -	NO																												
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(c) Total	3,038																												
(d) Contract	2,734																												
(e) In-house	304																												

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION NAS SIGONELLA, ITALY			4. COMMAND: UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.19			
6. Personnel Strength AS OF 30 SEP 08 END FY 2014	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	2	53	58							
7. INVENTORY DATA (\$000)										
a. Total Acreage:										0
b. Inventory Total as of : (30 Sep 08)										0
c. Authorization Not Yet in Inventory:										0
d. Authorization Requested in this Program:										31,300
f. Planned in Next Five Years Program:										0
g. Remaining Deficiency:										0
h. Grand Total:										31,300
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY						COST	DESIGN	STATUS		
CODE	PROJECT TITLE	SCOPE		\$,000	START	Cmpl				
211-111	Global Hawk Aircraft Maintenance and Operations Complex	5,700	SM	31,300	Design	Build				
				Total	31,300					
9a. Future Projects: Typical Planned Next Five Year:										
None										
9b. Real Property Maintenance Backlog This Installation										N/A
10. Mission or Major Functions: The Global Hawk provides long endurance reconnaissance capability using electro-optical (EO), infra-red (IR), and synthetic aperture radar (SAR) at high altitudes.										
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION SIGONELLA, ITALY		4. PROJECT TITLE GLOBAL HAWK AIRCRAFT MAINTENANCE AND OPERATIONS COMPLEX			
5. PROGRAM ELEMENT 35220	6. CATEGORY CODE 211-111	7. PROJECT NUMBER USAFE073006	8. PROJECT COST (\$000) 31,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					18,373
CONSTRUCT 4-BAY MAINT HANGAR / OPS OFFICES		SM	5,700	2,828	(16,118)
INTERIOR COMM		SM	5,700	90	(513)
PAVEMENTS/RECEIVING APRON		SM	7,700	150	(1,155)
SDD & EPACT 05		SM	5,700	67	(382)
ANTITERRORISM/FORCE PROTECTION		SM	5,700	36	(205)
SUPPORTING FACILITIES					9,557
PAVEMENTS		LS			(1,284)
SITE IMPROVEMENTS		LS			(1,820)
UTILITIES		LS			(2,825)
BACK-UP POWER GENERATORS WITH AUTO-TRANSFER		LS			(103)
COMMUNICATIONS		LS			(925)
PASSIVE FORCE PROTECTION		LS			(335)
DEMOLITION - RELOCATE		LS			(1,650)
ENVIRONMENTAL SUPPORT		LS			(615)
SUBTOTAL					27,930
CONTINGENCY (5.0%)					1,397
TOTAL CONTRACT COST					29,326
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					1,906
TOTAL REQUEST					31,233
TOTAL REQUEST (ROUNDED)					31,300)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(1,330
10. Description of Proposed Construction: Construct a new four-bay maintenance hangar. Hangar will consist of a steel frame, masonry walls, standing seam metal roof, concrete floor slab, high expansion foam fire suppression system, utilities, pavements and communications support. Project will also include back-up generators with auto-transfer switches. Demolition of existing engine test cell will be required as well as environmental clean-up requirements. Includes antiterrorism/force protection requirements identified in DoD unified facilities criteria. Air Conditioning: 40 Tons					
11. Requirement: 5700 SM Adequate: 0 SM Substandard: 0 SM <u>PROJECT:</u> Global Hawk Aircraft Maintenance and Operations Complex (New Mission) <u>REQUIREMENT:</u> Hangar space is necessary to support aircraft maintenance, repair and inspection activities that are most effectively done under complete cover. The Global Hawk aircraft requires all-weather interior maintenance space to accomplish scheduled inspections, major fuel system maintenance, airframe repairs, pre-flight operations as well as technical order compliance and modifications. The hangar will also provide space for tool rooms, support equipment maintenance, aircraft parts receiving, shipping and storage as well as necessary office and administrative space. Apron space is required for the new hangar to effectively					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION SIGONELLA, ITALY			4. PROJECT TITLE GLOBAL HAWK AIRCRAFT MAINTENANCE AND OPERATIONS COMPLEX	
5. PROGRAM ELEMENT 35220	6. CATEGORY CODE 211-111	7. PROJECT NUMBER USAFE073006	8. PROJECT COST (\$000) 31,300	
<p>support the new mission when it is integrated into the existing NAS Sigonella parking apron. This new hangar will support four of the projected inbound Global Hawk aircraft. The hangar will provide support for a total of four Global Hawk aircraft. The Global Hawk aircraft will be supported by a Mission Control Element (MCE) at a separate location. Once airborne, the Launch and Recovery Element will hand off the aircraft to the MCE.</p> <p><u>CURRENT SITUATION:</u> Global Hawk (RQ-4) aircraft will conduct operations in the European theater. The selected beddown location lacks adequate facilities to conduct squadron level maintenance for the Global Hawk mission. NAS Sigonella will be able to provide some existing parking space to support this overall requirement, but additional pavements will be needed for the new hangar. An existing aircraft wash rack is in place at NAS Sigonella to support the new mission.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without the new hangar, full mission capability will not be achieved for this vital aircraft. Lack of adequate facilities will severely limit the user's ability to perform essential maintenance and repair requirements in accordance with technical orders. Key essential maintenance and repair actions will also be hampered. Without adequate facilities, the aircraft will not be able to perform their essential reconnaissance missions in the European theater. The lack of facilities could also result in a significant degradation of operational capability and increase the potential for a serious mishap. Furthermore, maintenance performed outside in the elements reduces the life span of the airframe.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084 "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction) was done. It indicates that new construction will meet the necessary operational requirements. A certificate of exception will be prepared. Sustainable principles will be integrated into the design, development and construction of the project in accordance with Executive Order 13423 and other applicable laws and Executive orders. MAJCOM POC: Capt William Frost, 011-49-6371-47-6226. 4-Bay Maintenance Hangar / Admin Offices: 5,700 SM = 61,332 SF.</p> <p>FOREIGN CURRENCY: FCF Budget Rate Used: EURO-DOLLAR .7737</p> <p><u>JOINT USE CERTIFICATION:</u> 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.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION SIGONELLA, ITALY		4. PROJECT TITLE GLOBAL HAWK AIRCRAFT MAINTENANCE AND OPERATIONS COMPLEX	
5. PROGRAM ELEMENT 35220	6. CATEGORY CODE 211-111	7. PROJECT NUMBER USAFE073006	8. PROJECT COST (\$000) 31,300
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			1,565
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
FURNISHINGS	3400	2011	700
COMMUNICATIONS EQUIPMENT	3080	2011	630

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE 22-Apr-09			
3. INSTALLATION AND LOCATION AL MUSANAH AB, OMAN				4. COMMAND: AIR COMBAT COMMAND (AFCENT)			5. AREA CONST COST INDEX 1.24			
6. Personnel Strength AS OF 30 SEP 08 END OF FY 2014	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	EN	CIV	OFF	ENL	CIV	
	CLASSIFIED DATA									Note 1
	CLASSIFIED DATA									
7. INVENTORY DATA (\$000)										
a. Total Acreage:				Not US Owned Installation				Note 2		
b. Inventory Total as of : (30 Sep 08)								n/a		
c. Authorization Not Yet in Inventory:								n/a		
d. Authorization Requested in this Program:								116,000		
f. Planned in Next Five Years Program:								0		
g. Remaining Deficiency:								TBD		
h. Grand Total:								116,000		
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY						COST	DESIGN	STATUS		
<u>CODE</u>	<u>PROJECT TITLE</u>		<u>SCOPE</u>			<u>\$,000</u>	<u>START</u>	<u>CMPL</u>		
113-321	Airlift Ramp and Fuel Facilities		38,382 SM			69,000	Apr-09	Sep-09		
442-758	WRM Compound		36,472 SM			47,000	Design Build			
			Total			116,000				
9a. Future Projects: Typical Planned Next Five Years: TBD										
9b. Real Property Maintenance Backlog This Installation: n/a										
10. Mission or Major Functions: Al Musanah has been designated as a key strategic location for future US development. The FY 10 projects will not only develop the primary USAF WRM storage location in the AFCENT AOR, but provide strategic aircraft the capability to land at Al Musanah, refuel and depart towards a final location. The followon projects to expand airlift and refueling capability in FY 11 and beyond further develops the location to support intra-theater and inter-theater transload operations along a souther line of communications in the region in accoradnace with CENTCOM's long range basing strategy.										
NOTE 1: Personnel numbers at a contingency location are classified, therefore not provided.										
NOTE 2: Not a US owned installation and no US presence; therefore we do not have real property data.										
11. Outstanding Pollution and Safety (OSHA Deficiencies):										
a. Air pollution				N/A						
b. Water Pollution				N/A						
c. Occupational Safety and Health				N/A						
d. Other Environmental				N/A						

DD Form 1390, 9 Jul 02

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION AL MUSANAH AB, OMAN			4. PROJECT TITLE AIRLIFT RAMP AND FUEL FACILITIES		
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 113-321	7. PROJECT NUMBER AMAB110001	8. PROJECT COST (\$000) 69,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					54,533
AIRFIELD PAVEMENT		SM	37,997	380	(14,439)
FUEL OPERATIONS BLDG AND LAB		SM	385	5,200	(2,002)
CUT & COVER TANKS / FILL STANDS		BL	40,000	891	(35,620)
SDD AND EPACT05		LS			(1,236)
ANTITERRORISM/FORCE PROTECTION		LS			(1,236)
SUPPORTING FACILITIES					7,288
UTILITIES		LS			(2,226)
SITE IMPROVEMENTS		LS			(1,595)
REFUELER SUNSHADE		SM	3,313	518	(1,716)
PAVEMENT		SM	9,679	98	(949)
COMMUNICATION		LS			(671)
LATRINES		SM	94	1,400	(132)
SUBTOTAL					61,821
CONTINGENCY (5.0%)					3,091
TOTAL CONTRACT COST					64,912
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					4,219
TOTAL REQUEST					69,131
TOTAL REQUEST (ROUNDED)					69,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(2,150.0)
10. Description of Proposed Construction: Construct concrete aircraft parking apron, asphalt shoulders, asphalt taxiways, pavement markings, and airfield lighting. Fuel Infrastructure facilities shall be semi-permanent Pre-Engineered Building (PEB) type construction with slab on grade concrete foundations, include fire suppression and all civil, architectural, mechanical and electrical work required to produce complete and useable facilities. Storage tanks will be steel and capable of supporting 40,000 BBL of JP-8 Fuel and will be filled with two fill stands. Pre-existing site meets force protection requirements. All construction will comply with applicable DoD force protection standards.					
11. Requirement: 38382 SM Adequate: 0 SM Substandard: 0 SM PROJECT: Construct Airlift Ramp and Fuel Facilities. (Current Mission) REQUIREMENT: A requirement exists to construct a new airlift apron, taxiway and lighting along with fuel storage and distribution system to support two C-5 or equivalent commercial wide body strategic airlift aircraft at Al Musanah AB, Oman. The fuel storage delivery system must be capable of sustaining a maximum of four (4) C-5 flights a day for seven (7) consecutive days. Maximum fuel load calculated at 189,270 liters per flight. CURRENT SITUATION: In support of Overseas Contingency Operations, Al Musanah AB has been designated as a key strategic location for future US development. The					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION AL MUSANAH AB, OMAN			4. PROJECT TITLE AIRLIFT RAMP AND FUEL FACILITIES	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 113-321	7. PROJECT NUMBER AMAB110001	8. PROJECT COST (\$000) 69,000	
<p>Sultan of Oman has mandated that the US War Reserve Materiel (WRM) outload site at Seeb be relocated due to the commercial development of Seeb International Airport. The Sultan of Oman has offered Al Musanah AB as a viable alternative to Seeb AB. The US government has accepted the offer and consequently developed a long range strategic and tactical plan that fully develops Al Musanah AB in accordance with future US defense posture plans. The initial phase relocates the entire WRM compound from Seeb by FY 12 (AMAB 08-3000). The follow phase (this project) begins the initial strategic development phase of this effort by developing a limited "Gas-n-Go" capability. This capability will provide aircraft with the ability to land at Al Musanah AB, refuel and then depart toward a final destination. Without this project there is no parking space for US aircraft at Al Musanah AB. The government of Oman has also invited the Royal Air Force (RAF), UK to come to Al Musanah AB from their current location at Seeb AB. In an effort to realize potential costs savings and enhance joint synergies, RAF has proposed a joint RAF/US construction effort of the airfield pavement phase of this project.</p> <p>IMPACT IF NOT PROVIDED: Delays in constructing the airlift ramps, and refueling facilities mean that there will be a lack of strategic operational capability for a major WRM out load site in the Southwest Asia Area of Responsibility (AOR). Additionally, if these facilities are not provided, CENTCOM and AFCENT's long range global basing strategy will not be met as planned.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." U.S Central Command, supports this project on the Master Plan Priority List (MPPL). An analysis of reasonable options for accomplishing this project (to include lease options, status quo, new construction, renovation and modernization) was completed. It indicates that there is only one option that will meet operational requirements, new construction. 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. The USAFCENT A7 Engineer is Col Brian D. Yolitz. Fuel facilities SM=385; airfield pavements = 37, 997 SM; Fuel Storage = 40,000 BBL.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION AL MUSANAH AB, OMAN		4. PROJECT TITLE AIRLIFT RAMP AND FUEL FACILITIES	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 113-321	7. PROJECT NUMBER AMAB110001	8. PROJECT COST (\$000) 69,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-APR-09
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			0%
* (d) Date 35% Designed			30-JUN-09
(e) Date Design Complete			30-SEP-09
(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			4,140
(b) All Other Design Costs			2,070
(c) Total			6,210
(d) Contract			5,175
(e) In-house			1,035
(4) Construction Contract Award			09 DEC
(5) Construction Start			10 FEB
(6) Construction Completion			12 FEB
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
FURNISHINGS	3400	2011	50
FUELS EQUIPMENT	3080	2011	450
COMMUNICATIONS EQUIPMENT	3080	2011	150
TRUCK OFF-LOAD SKIDS	3080	2011	1,500

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION AL MUSANAH AB, OMAN			4. PROJECT TITLE WRM COMPOUND		
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 442-758	7. PROJECT NUMBER AMAB083000	8. PROJECT COST (\$000) 47,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					29,762
WAREHOUSES		SM	12,672	1,630	(20,655)
ADMINISTRATIVE AND SUPPORT FACILITIES		SM	800	1,900	(1,520)
MAINTENANCE FACILITIES		SM	4,300	1,630	(7,009)
SDD AND EPACT05		LS			(252)
ANTITERRORISM FORCE PROTECTION		LS			(326)
SUPPORTING FACILITIES					12,353
UTILITIES		LS			(4,660)
FUEL POINT		SM	160	1,950	(312)
PERIMETER FENCE		LM	3,100	300	(930)
SITE IMPROVEMENTS		EA	1	4,859,000	(4,859)
COMMUNICATION		LS			(750)
COMPACTED GRAVEL OUTSIDE STORAGE		SM	18,700	45	(842)
SUBTOTAL					42,115
CONTINGENCY (5.0%)					2,106
TOTAL CONTRACT COST					44,221
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					2,874
TOTAL REQUEST					47,095
TOTAL REQUEST (ROUNDED)					47,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(1,550
10. Description of Proposed Construction: Construction will consist of a combination of pre-engineered steel, compacted gravel storage, and masonry-type facilities on concrete foundations. Gravel roads will be constructed to connect to existing Host Nation paved and unpaved roads; project will include all site work, utilities/infrastructure (including sanitary sewer holding tanks), fire protection/suppression, force protection, and communications infrastructure necessary to make the WRM compound complete/usable. Pre-existing site meets force protection requirements. All construction will comply with applicable DoD force protection standards.					
11. Requirement: 36472 SM Adequate: 0 SM Substandard: 32778 SM					
<u>PROJECT:</u> Construct War Reserve Material Compound. (Current Mission)					
<u>REQUIREMENT:</u> Provide 36,472 SM (392,600SF) of War Reserve Materiel (WRM) open and covered storage, maintenance, administrative and support facilities at Al Musanah AB, Oman to replace existing facilities at Seeb AB, Oman. Existing facility space at Seeb equals 32,778 SM; the new requirement of 36,472 SM was determined through facility "right sizing" based on total WRM assets authorized, by type, in accordance with War Consumables Distribution Objective (WDCO) and applicable AFH 32-1084 facility requirements. Facilities must be constructed at Al Musanah in order to vacate Seeb, as the Sultanate of Oman has mandated US relocation from Seeb AB. The Sultanate has provided space at Al Musanah expressly for this relocation.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION AL MUSANAH AB, OMAN		4. PROJECT TITLE WRM COMPOUND	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 442-758	7. PROJECT NUMBER AMAB083000	8. PROJECT COST (\$000) 47,000

CURRENT SITUATION: The Sultanate of Oman has mandated that USAFCENT relocate the existing WRM Compound from Seeb International Airport in order to accommodate Oman's planned expansion of commercial airport operations there. As a gesture of good faith, the Sultan has offered Al Musanah AB as a relocation alternative for Seeb; Al Musanah is currently being developed as a premier Royal Air Force of Oman (RAFO) Air Base and is located about 90 miles from Seeb (100 miles from the capital city of Muscat). USAFCENT currently operates 26,756 SM of indoor storage space, 4,274 SM of maintenance space, and 1,748 SM of administrative and miscellaneous support facility space for WRM at Seeb; the complex includes the only generator repair facility in the Southwest Asia Area of Responsibility (AOR). Materiel stored and maintained in facilities at Seeb is utilized throughout the USCENTCOM AOR.

IMPACT IF NOT PROVIDED: Ongoing Seeb International Airport construction will force the demolition of the existing USAFCENT WRM facilities. If facilities are not provided elsewhere to reconstitute, maintain, and store critical WRM Harvest Falcon assets, vehicles, fuels equipment, and other materiel and equipment, USAFCENT risks loss of access to this critical warfighting equipment and material (estimated at \$150M). Throughout the AOR, there is already a 46,451 SM covered-storage shortfall for critical WRM; if the existing 26,756 SM of indoor space at Seeb is lost due to base closure, WRM assets requiring indoor storage will have to be stored outside (subject to 120-140 degree summer temperatures, winds, humidity, and sandstorms). This will result in a higher rate of deterioration on the equipment, subsequent increased maintenance costs, and higher equipment loss rates. In addition, as the only generator repair site in the USCENTCOM AOR, loss of Seeb site (without replacement at Al Musanah) would significantly degrade AFCENT's generator repair requirements. AFCENT's wartime readiness and ability to support the war-fighter with timely equipment and materiel will be at significant risk.

ADDITIONAL: This project meets the criteria/scope as specified in Air Force Handbook 32-1084, Facility Requirements. An analysis of reasonable options for accomplishing this project (to include lease options, status quo, new construction, renovation and modernization) was completed. It indicates that there is only one option that will meet operational requirements--new construction. 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. CENTCOM supports this project on the Master Plan Priority List (MPPL); the government of Oman has been approached and has denied US requests to fund this construction effort. The estimated residual value for current expedient facilities at Seeb is \$750K (for 54 facilities); this estimate is based on an initial construction cost value of \$11M and average facility age of 26 years. The USAFCENT A7 Civil Engineer is Col Brian D. Yolitz. Construct War Reserve Material Compound: 36,472 SM = (392,600 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION AL MUSANAH AB, OMAN			4. PROJECT TITLE WRM COMPOUND	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 442-758	7. PROJECT NUMBER AMAB083000	8. PROJECT COST (\$000) 47,000	
12. SUPPLEMENTAL DATA:				
a. Estimated Design Data:				
(1) Project to be accomplished by design-build procedures				
(2) Basis:				
(a) Standard or Definitive Design -				NO
(b) Where Design Was Most Recently Used				
(3) All Other Design Costs				2,350
(4) Construction Contract Award				09 DEC
(5) Construction Start				10 FEB
(6) Construction Completion				11 SEP
(7) Energy Study/Life-Cycle analysis was/will be performed				YES
b. Equipment associated with this project provided from other appropriations:				
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	
FURNISHINGS	3400	2011	500	
MISCELLANEOUS EQUIPMENT	3080	2011	1,050	

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE 22-Apr-09			
3. INSTALLATION AND LOCATION AL UDEID AB, QATAR			4. COMMAND: AIR COMBAT COMMAND (AFCENT)			5. AREA CONST COST INDEX 1.24				
6. Personnel Strength AS OF 30 SEP 08 END OF FY 2014	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	EN	CIV	OFF	ENL	CIV	
	CLASSIFIED DATA									Note 1
CLASSIFIED DATA										
7. INVENTORY DATA (\$000)										
a. Total Acreage: Not US Owned Installation Note 2										n/a
b. Inventory Total as of : (30 Sep 08)										n/a
c. Authorization Not Yet in Inventory:										n/a
d. Authorization Requested in this Program:										60,000
f. Planned in Next Five Years Program:										121,000
g. Remaining Deficiency:										TBD
h. Grand Total:										181,000
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY						COST	DESIGN	STATUS		
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>		<u>\$/,000</u>	<u>START</u>	<u>CMPL</u>		
721-312	Blatchford-Preston Complex Ph II			24,566 SM		60,000	Mar-09	Sep-09		
				Total		60000				
9a. Future Projects: Typical Planned Next Five Years:										
721-312	Blatchford-Preston Complex Ph III			50,430 SM		121,000				
				Total		121,000				
9b. 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						N/A				
b. Water Pollution						N/A				
c. Occupational Safety and Health						N/A				
d. Other Environmental						N/A				

DD Form 1390, 9 Jul 02

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION AL UDEID AB , QATAR			4. PROJECT TITLE BLATCHFORD-PRESTON COMPLEX, PHASE II		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 721-312	7. PROJECT NUMBER ALUA073006A	8. PROJECT COST (\$000) 60,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					47,557
DORMITORIES		SM	18,566	2,005	(37,225)
TROOP SUBSISTENCE WAREHOUSE		SM	6,000	1,722	(10,332)
SUPPORTING FACILITIES					6,500
UTILITIES		LS			(1,000)
PAVEMENTS		LS			(1,000)
SITE IMPROVEMENTS		LS			(2,500)
COMMUNICATIONS		LS			(2,000)
SUBTOTAL					54,057
CONTINGENCY (5.0%)					2,703
TOTAL CONTRACT COST					56,760
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					3,689
TOTAL REQUEST					60,449
TOTAL REQUEST (ROUNDED)					60,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(3,235.0)
10. Description of Proposed Construction: Construct dormitories with concrete foundations and masonry walls. In addition, construct troop subsistence warehouse with concrete foundations and CMU walls with metal superstructure. Troop subsistence warehouse will include cold and dry storage. Cold storage will be freezer storage, dry storage will be refrigerated storage. Project includes all site work, infrastructure/utilities, communications, fire protection/suppression and force protection required to make facilities complete and usable. Force Protection will comply with minimum DoD Standards.					
11. Requirement: 232075 SM Adequate: 102113 SM Substandard: 129962 SM PROJECT: Blatchford-Preston Complex, Phase II (Current Mission) REQUIREMENT: Al Udeid has been identified by CENTCOM as an enduring location, its current contingency-standard billeting and support facilities (originally built at the base in 2003 for expedient operations; now overcrowded and failing) must be replaced to a permanent standard. The base requires permanent-standard billeting for projected steady-state population of approximately 6,200 personnel to support long-term/enduring presence. This phase (the second of four) will construct 392 rooms to a 1+1 standard with utilities to support 2+2 surge occupancy. Additional support facilities also required in this second phase include troop subsistence warehousing consisting of dry storage and cold storage to adequately store foodstuffs for 516,000 meals served monthly (including not only the BPC dining facility, but four others across the base). As noted, this requirement fills a portion of the second of four planned phases to construct the BPC; the first phase was funded in 2003 and built nine billets, two distinguished visitor billets and thirteen community and security facilities. These facilities were occupied in Feb 08 and can support 1380 people; 22 percent of the 6,200+ planned steady-state population. CURRENT SITUATION: Of Al Udeid's current population of over 6,900 personnel,					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION AL UDEID AB , QATAR			4. PROJECT TITLE BLATCHFORD-PRESTON COMPLEX, PHASE II	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 721-312	7. PROJECT NUMBER ALUA073006A	8. PROJECT COST (\$000) 60,000	
<p>approximately 5,635 are still billeted in temporary (contingency-standard) structures and 1265 are billeted in BPC Phase I billets. The population will increase by approximately 250 to over 7,150 when SOCCENT personnel move from Camp As Sayliyah to Al Udeid. At that time, with a max capacity of 1380, BPC will house approximately 19 percent of the 7,150+ personnel; over 5,700 will remain in Coalition Compound. With Al Udeid's designation as a long-term/enduring location, the temporary structures in Coalition Compound (now past their intended lifespan and failing in the harsh Qatari climate) are now substandard for the eventual 6,200+ person steady-state population. The temporary facilities in Coalition Compound are also now geographically separated from BPC, causing operational inefficiencies (especially in support facilities now duplicated or split between Coalition Compound and BPC) and a division, both real and perceptual, between populations of the base still living in temporary quarters and those in the newer, permanent-standard construction.</p> <p>IMPACT IF NOT PROVIDED: If Phase Two is not provided, more than 392 steady-state personnel will be forced to live in substandard temporary quarters as Al Udeid makes the transition to enduring operations. The base populace will be split between two living areas; base support will be forced to operate inefficiently from split locations. The contingency-standard Coalition Compound area will continue to deteriorate, and will require replacement; without additional BPC construction, the base will need to replace these trailers at an estimated cost of \$700K per trailer as they fail. Because Al Udeid has been identified as a long term location, complete replacement of the Coalition Compound trailers will be required every five to seven years at a total cost of \$96M each replacement cycle.</p> <p>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 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. This project is phase two of four planned phases. The project is supported by CENTCOM and is on the Master Plan Priority List (MPPL). The Implementing Agreement signed in November 2002 between the United States Government and the Government of Qatar does not cover all construction. It did specify that the United States was responsible to fund Blatchford-Preston (Millennium Village) facilities. In 2008, Millennium Village was renamed Blatchford-Preston Complex by direction of COMUSCENTAF. Civil Engineer: Lt Col Eric Turner; DSN 318-437-2152. Blatchford-Preston Complex, Phase II Dormitories: 18,566SM = 199,849SF; Troop Subsistence Warehouse: 6,000SM = 64,560SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an as available basis; however, the four phase scope of the project is based on current 379 AEW, CAOC and SOCCENT HQ requirements as provided in the Al Udeid AB Implementing Agreement with the Government of Qatar.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION AL UDEID AB , QATAR		4. PROJECT TITLE BLATCHFORD-PRESTON COMPLEX, PHASE II	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 721-312	7. PROJECT NUMBER ALUA073006A	8. PROJECT COST (\$000) 60,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			24-MAR-09
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			0%
* (d) Date 35% Designed			30-JUN-09
(e) Date Design Complete			30-SEP-09
(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			3,600
(b) All Other Design Costs			1,800
(c) Total			5,400
(d) Contract			4,500
(e) In-house			900
(4) Construction Contract Award			09 DEC
(5) Construction Start			10 JAN
(6) Construction Completion			12 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)
FURNISHINGS AND EQUIPMENT	3400	12	3,235

1. COMPONENT AIR FORCE		FY 2010 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY			4. COMMAND: United States Air Force in Europe			5. AREA CONST COST INDEX 0.9				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
As of 30 Sep 08	104	976	941	0	0	0	10	183	55	2,269
END FY 2014	101	953	942	0	0	0	9	180	55	2,240
7. INVENTORY DATA (\$000)										
a. Total Acreage:										3,427
b. Inventory Total as of: (30 Sep 08)										1,298,965
c. Authorization Not Yet in Inventory:										18,366
d. Authorization Requested in this Program:										9,200
f. Planned in Next Five Years Program:										49,158
g. Remaining Deficiency:										92,150
h. Grand Total:										1,467,839
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2010)										
CATEGORY		PROJECT TITLE		SCOPE		COST	DESIGN	STATUS		
CODE						\$(,000)	START	CMPL		
740-316	Consolidated Community Center			3,725	SM	9,200	Jun-08	Sep-09		
						Total	9,200			
9a. Future Projects: Typical Planned Next Five Years:										
851-147	Upgrade Base Main Road, "A" Street			3,000	LM	4,700				
721-312	Dormitory (168 RM)			5,544	SM	17,341				
721-312	Dormitory (168 RM)			5,544	SM	17,000				
730-142	Fire Station			2,800	SM	10,117				
						Total	49,158			
9b. Real Property Maintenance Backlog This Installation: (\$M)										34
10. Mission or Major Functions: Home of the 39th Air Base Wing. Incirlik mission is to provide full spectrum, world-class forward operating base support to expeditionary forces while developing the professional talents of our men and women.										
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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE ADANA, TURKEY			4. PROJECT TITLE CONSOLIDATED COMMUNITY CENTER		
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 740-316	7. PROJECT NUMBER LJYC003006	8. PROJECT COST (\$000) 9,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					7,044
CONSOLIDATED COMMUNITY CENTER		SM	3,725	1,840	(6,854)
SDD & EPACT05		SM	3,725	35	(130)
ANTITERRORISM/FORCE PROTECTION		SM	3,725	16	(60)
SUPPORTING FACILITIES					1,166
UTILITIES		LS			(150)
PAVEMENTS		LS			(300)
SITE IMPROVEMENTS		LS			(100)
DEMOLITION		SM	1,933	60	(116)
PASSIVE FORCE PROTECTION MEASURES		LS			(150)
COMMUNICATIONS SUPPORT		LS			(200)
RELOCATION (SOFTBALL FIELD)		EA	1	150,000	(150)
SUBTOTAL					8,210
CONTINGENCY (5.0%)					410
TOTAL CONTRACT COST					8,620
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					560
TOTAL REQUEST					9,181
TOTAL REQUEST (ROUNDED)					9,200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(500.0)
10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, structural frame, masonry walls and pitched roof. Areas include: classrooms, administrative area, reading rooms, 350-person theater, conference room, multi-purpose room with stage, lounge, tour office, game and activities room, concession room, snack bar, storage room, auditorium, fire protection, utilities, parking and all other supporting facilities. Demolish five facilities (1,933 SM). Some facilities will be demolished partially. Includes antiterrorism/force protection requirements identified in DoD Unified Facilities Criteria. Air Conditioning: 528 Tons					
11. Requirement: 3725 SM Adequate: 375 SM Substandard: 2508 SM PROJECT: Consolidated Community Center. (Current Mission) REQUIREMENT: An adequate facility is required to accommodate the Community Activity Center, Base Theater, Education Center and Base Library. Project must comply with regional force protection requirements. AT/FP costs on this project are higher due to lack of required standoff distance from adjacent buildings. CURRENT SITUATION: The existing education center facilities are inadequate for the academic, technical and occupational educational needs of military personnel to enhance their potential to the Air Force. The current education facility is insufficient and not expandable to provide required space. The base library facility is entirely inadequate to meet the needs of the community in terms of size, lighting, heating and cooling, security areas dedicated to computer usage, children's area, staff and meeting rooms. The facility is an old metal pre-engineered building and is not suitable for renovation and expansion. The existing					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE ADANA, TURKEY			4. PROJECT TITLE CONSOLIDATED COMMUNITY CENTER	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 740-316	7. PROJECT NUMBER LJYC003006	8. PROJECT COST (\$000) 9,200	
<p>community activity center facility was built in 1966 and has deteriorated over the years. Use of the facility is restricted by poor electrical, plumbing and heating, ventilation and air conditioning (HVAC) systems. The HVAC systems are often inoperative and extremely manpower intensive to maintain. A persistent roof problem has caused considerable water damage to the interior. The existing facility does not have instructional, music, meeting or computer rooms commonly available at isolated overseas installations. The existing 350-seat theater was erected in 1955 using surplus mobilization type building material and cannot be economically upgraded. The seats are old and uncomfortable. The theater's acoustics are poor. The theater is located near the flightline with little noise attenuation. The roof leaks and there is an inadequate fire protection system. The HVAC system has been repaired numerous times.</p> <p>IMPACT IF NOT PROVIDED: Continued use of these substandard facilities will adversely affect the morale and quality of life of the assigned military personnel and dependents at this remote location where similar community support functions are not available off-base. Continuing education, essential to the career progression of assigned military personnel and needs of the Air Force, will continue to be limited and constrained, contributing to lowered job satisfaction and morale. Make-shift classrooms, that are not conducive to this role, will continue to be utilized in order to support the education center function. The lack of adequate library assets will have a negative impact on the entire base population, resulting in lowered morale. In addition, lack of adequate research and computer support facilities in the library contribute to deficiencies with the continuing education and PME programs. Substandard community activity facilities will persist at this base where there is no off-base alternative and the morale, productivity and career satisfaction will continue to decline. Continued use of the existing substandard facilities with associated high risk due to fire deficiencies and structural problems could cause safety hazards to our customers.</p> <p>ADDITIONAL: This project is not eligible for NATO funding because this type of facility is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible. It will continue to be a user responsibility. This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". An economic analysis for this project comparing alternatives has been completed. 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 Randy L. Boswell, 011-90-322-316-6423. Consolidated Community Center: 3,725 SM = 40,081 SF.</p> <p>FOREIGN CURRENCY: FCF Budget Rate Used: LIRA (\$000) 1.4327</p> <p>JOINT USE CERTIFICATION: This facility is programmed for joint use with base tenant organizations such as AMC, DODDS, AAFES, and contractor personnel; however, it is fully funded by the Air Force.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE ADANA, TURKEY		4. PROJECT TITLE CONSOLIDATED COMMUNITY CENTER	
5. PROGRAM ELEMENT 27576	6. CATEGORY CODE 740-316	7. PROJECT NUMBER LJYC003006	8. PROJECT COST (\$000) 9,200
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			552
(b) All Other Design Costs			276
(c) Total			828
(d) Contract			690
(e) In-house			138
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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)
COMMUNICATIONS EQUIPMENT	3400	2010	500

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION HQ USAF, DISTRICT OF COLUMBIA			4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 91211	6. CATEGORY CODE 102-11	7. PROJECT NUMBER PAYZ100003	8. PROJECT COST (\$000) 18,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					18,000
UNSPECIFIED MINOR CONSTRUCTION		LS			(18,000)
SUPPORTING FACILITIES					0
SUBTOTAL					18,000
TOTAL CONTRACT COST					18,000
TOTAL REQUEST					18,000
TOTAL REQUEST (ROUNDED)					18,000
10. Description of Proposed Construction:					
11. Requirement: Adequate: Substandard:					
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 \$2,000,000; however projects with an estimated funded cost between \$2,000,000 and \$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 unforeseen or urgent and compelling projects that are not identified but which arise during FY10. 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 were not anticipated and could not wait until availability of FY10 Military Construction Program funds.					

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1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION HQ USAF, DISTRICT OF COLUMBIA		4. PROJECT TITLE PLANNING AND DESIGN			
5. PROGRAM ELEMENT 91211/31324	6. CATEGORY CODE 102-11	7. PROJECT NUMBER PAYZ100002	8. PROJECT COST (\$000) 82,363		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					82,363
PLANNING AND DESIGN (91211)		LS			(79,363)
PLANNING AND DESIGN (31324)		LS			(3,000)
SUPPORTING FACILITIES					0
SUBTOTAL					82,363
TOTAL CONTRACT COST					82,363
TOTAL REQUEST					82,363
TOTAL REQUEST (ROUNDED)					82,363
10. Description of Proposed Construction:					
11. Requirement: Adequate: Substandard:					
PROJECT: As required.					
REQUIREMENT: These planning and design funds are required to complete the design of facilities in the FY11 Military Construction Program, initiate design of facilities in the FY12 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 the Tri-Services Cost Estimating Guide and Unified Facilities Criteria.					

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Department of the Air Force

Military Construction Program

Fiscal Year (FY) 2010 Overseas Contingency Operations Request

**Justification Data Submitted to Congress
May 2009**

**DEPARTMENT OF THE AIR FORCE
FISCAL YEAR 2010 OVERSEAS CONTINGENCY OPERATIONS REQUEST
TABLE OF CONTENTS**

<u>ITEM</u>	<u>PAGE NO</u>
1. Table of Contents	269
2. Index	271
3. Program Summary	273
4. Military Construction Projects DD Form 1391s	275

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DEPARTMENT OF THE AIR FORCE
INDEX
FISCAL YEAR 2010 OVERSEAS CONTINGENCY OPERATIONS
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	PAGE	
AFGHANISTAN	Bagram	Cargo Terminal	13,800	13,800	275	
	Bagram	Expeditionary Fighter Shelter	6,400	6,400	278	
	Bagram	Aviation Operations & Maintenance	8,900	8900	281	
	Camp Bastion	CAS Apron Expansion	40,000	40,000	284	
	Camp Bastion	ISR Apron	41,000	41,000	287	
	Camp Bastion	Strategic Airlift Apron Expansion	32,000	32,000	290	
	Camp Bastion	Cargo Handling Area	18,000	18,000	293	
	Camp Bastion	Expeditionary Fighter Shelter	6,300	6,300	296	
	Camp Bastion	Secure RSOI Facility	10,000	10,000	299	
	Camp Bastion	Aviation Operations & Maintenance Facilities	8,900	8,900	302	
	Dwyer	Cargo Handling Area	4,900	4,900	305	
	Kandahar Air Base	CAS Apron Expansion	25,000	25,000	308	
	Kandahar Air Base	Refueler Apron/Relocate HCP	66,000	66,000	311	
	Kandahar Air Base	ISR Apron Expansion	40,000	40000	314	
	Kandahar Air Base	Relocate North Airfield Road	16,000	16,000	317	
	Kandahar Air Base	Tactical Airlift Apron	29,000	29,000	320	
	Kandahar Air Base	Cargo Helicopter Apron	32,000	32,000	323	
	Kandahar Air Base	Expeditionary Fighter Squadron	6,400	6400	326	
	Kandahar Air Base	Secure RSOI Facility	9,700	9,700	329	
	Kandahar Air Base	Aviation Operations & Maintenance	10,500	10,500	332	
	Shank	Cargo Handling Area	4,900	4,900	335	
	Tarin Kowt	Cargo Handling Area	4,900	4,900	338	
	Wolverine	Cargo Handling Area	4,900	4,900	341	
				<hr/>		
				Project		
				TOTAL:	439,500	
				<hr/>		
			Planning & Design	35,000	35,000	344
				<hr/>		
				Overseas		
				Contingency		
				TOTAL:	474,500	
				<hr/>		

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FY 2010 Military Construction Overseas Contingency Operations Funding
(Active, Guard and Reserve Forces)

MILCON Summary

FY08 <u>Actual</u>	FY08 <u>Title IX</u>	FY09 <u>Supp</u>	FY10 <u>Total</u>
\$399.6M	----	\$281.0M	\$474.5M

Military Construction

Military Construction is a key enabler of overseas contingency operations directly supporting the warfighter, mission operations and enhancing force protection. This Overseas Contingency Operations request provides for expanded operations in Afghanistan including 9 projects at Kandahar, 3 projects at Bagram, 7 projects at Camp Bastion, 1 project at Tarin Kowt, 1 project at Shank, 1 project at Dwyer, and 1 project at Wolverine. The request also includes crucial Planning and Design funds for all projects.

Projects at Kandahar Air Base support expanded airfield operations for Close Air Support (CAS) missions, tactical airlift, air refueling, ISR assets, as well as a secure passenger terminal and relocation of the North Airfield Roadway. As operations in Afghanistan continue, mission critical projects at Kandahar are vital for success in the southern region.

In order to support planned increase in ground operations in Afghanistan, Bagram Air Base requires additional aircraft shelters and maintenance facilities for CAS aircraft. With more coalition Soldiers, Sailors, Marines and Airmen flowing into the theater, increase passenger terminal capacity is critical for operations at Bagram.

Currently, Camp Bastion Air Base is a true bare base that requires significant upgrade in order to support and sustain the warfighter. Camp Bastion will see a significant increase in operations requiring CAS aircraft shelters, CAS expansion apron and maintenance facilities, airfield apron expansion to support strategic airlift, a secure passenger terminal, and cargo handling area, and apron expansions to support ISR assets.

Cargo Handling areas are required at four forward operating bases, (Tarin Kowt, Shank, Wolverine, and Dwyer) to accommodate the planned increase in cargo flow.

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1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE CARGO TERMINAL			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-782	7. PROJECT NUMBER ATUH103100	8. PROJECT COST (\$000) 13,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					5,790
CARGO WAREHOUSE AND OFFICE		SM	4,700	1,232	(5,790)
SUPPORTING FACILITIES					6,382
UTILITIES (ELEC. PRODUCTION AND DISTRIBUTION)		LS			(650)
PAVEMENTS		LS			(180)
FIRE PROTECTION SYSTEM		LS			(2,779)
SITE IMPROVEMENTS & DRAINAGE		LS			(2,176)
DEMOLITION		LS			(597)
SUBTOTAL					12,172
CONTINGENCY (5.0%)					609
TOTAL CONTRACT COST					12,781
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					984
TOTAL REQUEST					13,765
TOTAL REQUEST (ROUNDED)					13,800
10. Description of Proposed Construction: Construct a 4,700 SM cargo terminal facility for both inbound and outbound cargo processing. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 4700 SM Adequate: 0 SM Substandard: 0 SM PROJECT: CARGO TERMINAL (NEW MISSION) REQUIREMENT: Cargo Terminal is required to support an increase in cargo into Bagram as a result of the increase of up to 6 Brigade Combat Team equivalents into the southern and eastern portions of Afghanistan. The Combined Forces Air Component Commander (CFACC) has identified an increase of strategic and tactical airflow at Bagram as a key logistics capability. CURRENT SITUATION: Bagram is currently not capable of handling the huge projected increase in cargo flow. No terminal currently exists. The existing cargo marshalling yard is scoped to handle existing traffic and is not capable of handling the drastically increased workload without the construction of the cargo terminal facility. Existing cargo operations will quickly be overwhelmed when airlift operations increase. IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs at Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to cargo marshalling capacity is in correspondence with and critical to the huge increase					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE CARGO TERMINAL	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-782	7. PROJECT NUMBER ATUH103100	8. PROJECT COST (\$000) 13,800
<p>airlift capacity.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE CARGO TERMINAL	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-782	7. PROJECT NUMBER ATUH103100	8. PROJECT COST (\$000) 13,800
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			828
(b) All Other Design Costs			414
(c) Total			1,242
(d) Contract			1,136
(e) In-house			106
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE EXPEDITIONARY FIGHTER SHELTER			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 211-111	7. PROJECT NUMBER ATUH103500	8. PROJECT COST (\$000) 6,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,255
EXPEDITIONARY FIGHTER SHELTER		SM	2,100	1,550	(3,255)
SUPPORTING FACILITIES					2,389
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(305)
UTILITIES (WATER & SEWER)		LS			(223)
FIRE PROTECTION SYSTEM		SM	2,100	343	(720)
PAVEMENTS		SM	3,845	200	(769)
SITE IMPROVEMENTS & DRAINAGE		LS			(372)
SUBTOTAL					5,644
CONTINGENCY (5.0%)					282
TOTAL CONTRACT COST					5,927
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					456
TOTAL REQUEST					6,383
TOTAL REQUEST (ROUNDED)					6,400
10. Description of Proposed Construction: Construct two 1,050 SM expeditionary fighter shelters for conducting minor field maintenance on deployed aircraft. Work will include pavements, fire protection system, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 2100 SM Adequate: 0 SM Substandard: 0 SM PROJECT: EXPEDITIONARY FIGHTER SHELTER (NEW MISSION) REQUIREMENT: Expeditionary Fighter Shelters are required to support an increase in CAS capability at Bagram. The Combined Forces Air Component Commander (CFACC) has identified BAF as one of a limited number of existing airfields in Afghanistan suitable for CAS operations that will provide maximum operational effectiveness and minimum response-time in support of kinetic ground-force events. CURRENT SITUATION: The CFACC requires beddown of fighter aircraft in Afghanistan in response to current ground-force planning efforts. New apron space, rotary wing operations, and improvements to the nearby munitions storage area; all these efforts are critical to a planned increase of up to 6+ Brigade Combat Team equivalents in Afghanistan in the next two years. This project provides logistic enablers necessary to sustain OEF forces and to give Commander USFOR-A operational flexibility to either introduce additional forces or to redeploy forces as necessary to counter emerging threats or reinforce successful operations. Bagram is central to the CFACC's air support plan. BAF currently does not have adequate fighter maintenance space available for planned counterinsurgency, "seize/hold", and police mentoring/training operations. IMPACT IF NOT PROVIDED: If fighter maintenance space is not provided at Bagram, the CFACC will not be able to support increased ground operations in Southern and					

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3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN			4. PROJECT TITLE EXPEDITIONARY FIGHTER SHELTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 211-111	7. PROJECT NUMBER ATUH103500	8. PROJECT COST (\$000) 6,400	
<p>Eastern Afghanistan. All other CAS-suitable airfields in proximity to Afghanistan (outside planned work at Bagram, KAF and Bastion) will require extensive tanker support, and also exceed desired response time to the planned area of operations. An alternate airfield will drive an increase in response time to ground-force contact, putting US Forces in increased/prolonged danger after and during insurgent contact. Alternately, the Commander may be forced to support an increase in ground forces with no increase in CAS aircraft on the ground in Afghanistan; this will cause air and ground commanders alike to assume risk in engaging insurgents, in the event no CAS is available to support.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

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3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE EXPEDITIONARY FIGHTER SHELTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 211-111	7. PROJECT NUMBER ATUH103500	8. PROJECT COST (\$000) 6,400
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			384
(b) All Other Design Costs			192
(c) Total			576
(d) Contract			527
(e) In-house			49
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE AVIATION OPERATIONS & MAINTENANCE FACS			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-753	7. PROJECT NUMBER ATUH103400	8. PROJECT COST (\$000) 8,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					5,474
OPERATIONS & MAINTENANCE FACILITIES		SM	2,400	2,281	(5,474)
SUPPORTING FACILITIES					2,373
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(850)
FIRE PROTECTION SYSTEM		LS			(611)
SEWER SYSTEM		LS			(99)
PAVEMENTS (ROADS & TOW WAY)		SM	3,110	200	(622)
SITE IMPROVEMENTS & DRAINAGE		LS			(191)
SUBTOTAL					7,847
CONTINGENCY (5.0%)					392
TOTAL CONTRACT COST					8,240
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					634
TOTAL REQUEST					8,874
TOTAL REQUEST (ROUNDED)					8,900
10. Description of Proposed Construction: Construct a 2,400 SM aviation operations and maintenance facilities. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 2400 SM Adequate: 0 SM Substandard: 0 SM PROJECT: AVIATION OPERATIONS & MAINTENANCE FACS (NEW MISSION) REQUIREMENT: Aviation Ops/Maintenance Facility is required to support increased Close Air Support (CAS) operations. The Combined Forces Air Component Commander (CFACC) has identified BAF as one of a limited number of existing airfields in Afghanistan suitable for CAS operations that will provide maximum operational effectiveness and minimum response-time in support of kinetic ground-force events. CURRENT SITUATION: Bagram is growing considerably in aircraft and requires corresponding operations and maintenance facilities to handle the load. This project is necessary to increase force posture in Afghanistan. IMPACT IF NOT PROVIDED: The airfield will be unable to handle the increase in close air support operations tempo and significantly impact force employment in Regional Command-South. ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are					

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3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE AVIATION OPERATIONS & MAINTENANCE FACS	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-753	7. PROJECT NUMBER ATUH103400	8. PROJECT COST (\$000) 8,900
<p>included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

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3. INSTALLATION AND LOCATION BAGRAM AB, AFGHANISTAN		4. PROJECT TITLE AVIATION OPERATIONS & MAINTENANCE FACS																											
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-753	7. PROJECT NUMBER ATUH103400	8. PROJECT COST (\$000) 8,900																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>29-SEP-08</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>YES</td> </tr> <tr> <td>* (c) Percent Complete as of 01 JAN 2009</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>18-MAR-09</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>30-SEP-09</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>NO</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>534</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>267</td> </tr> <tr> <td>(c) Total</td> <td>801</td> </tr> <tr> <td>(d) Contract</td> <td>733</td> </tr> <tr> <td>(e) In-house</td> <td>68</td> </tr> </table> <p>(4) Construction Contract Award 10 FEB</p> <p>(5) Construction Start 10 MAR</p> <p>(6) Construction Completion 11 SEP</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>				(a) Date Design Started	29-SEP-08	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of 01 JAN 2009	15%	* (d) Date 35% Designed	18-MAR-09	(e) Date Design Complete	30-SEP-09	(f) Energy Study/Life-Cycle analysis was/will be performed	NO	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used		(a) Production of Plans and Specifications	534	(b) All Other Design Costs	267	(c) Total	801	(d) Contract	733	(e) In-house	68
(a) Date Design Started	29-SEP-08																												
(b) Parametric Cost Estimates used to develop costs	YES																												
* (c) Percent Complete as of 01 JAN 2009	15%																												
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1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN			4. PROJECT TITLE CAS APRON EXPANSION		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA103200	8. PROJECT COST (\$000) 40,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					26,177
CAS APRON PAVEMENT		SM	43,000	469	(20,167)
ARM/DE-ARM PADS		SM	10,000	469	(4,690)
CAS APRON SHOULDERS		SM	5,400	165	(891)
ARM/DE-ARM PAD SHOULDERS		SM	2,600	165	(429)
SUPPORTING FACILITIES					8,948
AIRFIELD PAVEMENT MARKINGS		SM	53,000	5	(265)
GROUNDING AND TIE-DOWN POINTS		EA	260	1,000	(260)
BLAST DEFLECTOR		LS			(500)
APRON EDGE LIGHTING		LS			(885)
ELEC. PRODUCTION AND DISTRIBUTION		LS			(890)
HIGH MAST AREA LIGHTING		EA	3	305,000	(915)
SITE IMPROVEMENTS & DRAINAGE		LS			(4,635)
DEMOLITION		LS			(598)
SUBTOTAL					35,125
CONTINGENCY (5.0%)					1,756
TOTAL CONTRACT COST					36,881
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					2,840
TOTAL REQUEST					39,721
TOTAL REQUEST (ROUNDED)					40,000
10. Description of Proposed Construction: Construct a 43,000 SM medium-load paved aircraft apron, shoulders, connecting taxiways, and Arm/De-Arm pads for 12 fighter aircraft. Work will include pavement markings, edge lighting, utilities (including but not limited to power connections and electrical infrastructure), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 89000 SM Adequate: 46000 SM Substandard: 0 SM PROJECT: CAS APRON EXPANSION (NEW MISSION) REQUIREMENT: In order to support a planned increase in ground operations (counterinsurgency and seize/hold) in Southern and Eastern Afghanistan, Bastion Airfield requires dedicated apron space to accommodate an additional 12 close air support (CAS) aircraft. The Combined Forces Air Component Commander (CFACC) has identified Bastion as one of a limited number of existing airfields in Afghanistan suitable for CAS operations that will provide maximum operational effectiveness and minimum response-time in support of kinetic ground-force events. CURRENT SITUATION: The CFACC requires beddown of fighter aircraft in Afghanistan in response to current ground-force planning efforts. New apron space, rotary wing operations, and improvements to the nearby munitions storage area are all efforts					

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3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN			4. PROJECT TITLE CAS APRON EXPANSION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA103200	8. PROJECT COST (\$000) 40,000	
<p>critical to a planned increase of up to 6+ Brigade Combat Team equivalents in Afghanistan in the next two years. This project provides logistic enablers necessary to sustain OEF forces and to give Commander USFOR-A operational flexibility to either introduce additional forces or to redeploy forces as necessary to counter emerging threats or reinforce successful operations. Bagram, Kandahar, and Bastion are central to the CFACC's air support plan. Currently, Bastion does not have adequate apron space available for planned counterinsurgency, "seize/hold", and police mentoring/training operations. During this time, other substantial efforts to increase airfield capacity at Bastion will be ongoing, including construction of a strategic airlift apron, increased apron space for ISR aircraft.</p> <p>IMPACT IF NOT PROVIDED: If CAS ramp space is not provided at Bastion, the CFACC will not be able to support increased ground operations in Southern and Eastern Afghanistan. All other CAS-suitable airfields in proximity to Afghanistan (outside planned work at Bagram, KAF and Bastion) will require extensive tanker support, and also exceed desired response time to the planned area of operations. An alternate airfield will drive an increase in response to ground-force contact, putting US Forces in increased/prolonged danger after and during insurgent contact. Alternately, the Commander may be forced to support an increase in ground forces with no increase in CAS aircraft on the ground in Afghanistan; this will cause air and ground commanders alike to assume undue risk in engaging insurgents, in the event no CAS is available to support.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

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3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE CAS APRON EXPANSION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA103200	8. PROJECT COST (\$000) 40,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			2,400
(b) All Other Design Costs			1,200
(c) Total			3,600
(d) Contract			3,294
(e) In-house			306
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN			4. PROJECT TITLE ISR APRON		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA103300	8. PROJECT COST (\$000) 41,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					23,928
APRON PAVEMENT		SM	43,000	469	(20,167)
APRON SHOULDERS		SM	3,700	165	(611)
CONNECTING TAXIWAYS		SM	4,500	469	(2,111)
TAXIWAY SHOULDERS		SM	6,300	165	(1,040)
SUPPORTING FACILITIES					12,099
AIRFIELD PAVEMENT MARKINGS		SM	47,500	5	(238)
GOUNDING & TIE-DOWN POINTS		EA	210	1,000	(210)
AIRCRAFT PARKING SHELTERS		EA	10	600,000	(6,000)
AIRFIELD EDGE LIGHTING		LS			(675)
HIGH MAST AREA LIGHTING		EA	3	305,000	(915)
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(500)
SITE IMPROVEMENTS AND DRAINAGE		LS			(3,561)
SUBTOTAL					36,026
CONTINGENCY (5.0%)					1,801
TOTAL CONTRACT COST					37,827
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					2,913
TOTAL REQUEST					40,740
TOTAL REQUEST (ROUNDED)					41,000
10. Description of Proposed Construction: Construct a 43,000 SM medium-load paved apron sized to accommodate 20 ISR aircraft; project includes all connecting taxiways, shoulders, aircraft shelters, site work, markings, lighting, tie-downs, utilities (including but not limited to power connections and electrical infrastructure), and all other elements required to make the ramp complete and usable. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 43000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: ISR APRON (NEW MISSION)					
REQUIREMENT: A fully connected and operable apron sized and designed for 20 Intelligence, Surveillance and Reconnaissance (ISR) aircraft. The Combined Forces Air Component Commander (CFACC), has identified Bastion as a key ISR hub to support the beddown and sustainment of 6 Brigade Combat Team equivalents into the Southern and Eastern portions of Afghanistan.					
CURRENT SITUATION: The CFACC requires beddown of ISR aircraft in Afghanistan in response to current ground-force planning efforts. Currently, there is not enough apron space to accommodate the number of ISR aircraft that COMUSAFOR-A has requested. This has led to delays in ISR aircraft arriving in theater as needed. New apron space is critical to a planned increase of up to 6+ Brigade Combat Team equivalents in Afghanistan in the next two years. This project provides logistic enablers necessary to sustain OEF forces and to give Commander USFOR-A operational					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE ISR APRON	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA103300	8. PROJECT COST (\$000) 41,000
<p>flexibility to either introduce additional forces or to redeploy forces as necessary to counter emerging threats or reinforce successful operations. Bastion is central to the CFACC's air support plan. Bastion currently has no apron space available for planned counterinsurgency, "seize/hold", and police mentoring/training operations. During this time, other substantial efforts to increase airfield capacity at Bastion will be ongoing, including construction of a strategic airlift apron expansion, increased apron space for CAS aircraft.</p> <p>IMPACT IF NOT PROVIDED: If ISR apron space is not provided at Bastion, the CFACC will not be able to support increased ground operations in Southern and Eastern Afghanistan. This lack of ISR assets will force the commander to dedicate his resources to ongoing operations and not allow persistent coverage of high threat areas to enable better forecasting of hostile actions or conduct pre-emptive operations and will have lost opportunities due to this lack of adequate and timely intelligence. This will force the ground force commander to either delay operations until adequate support can be provided or place his forces at increased risk due to the lack of adequate airpower.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN			4. PROJECT TITLE ISR APRON	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA103300	8. PROJECT COST (\$000) 41,000	
12. SUPPLEMENTAL DATA:				
a. Estimated Design Data:				
(1) Status:				
(a) Date Design Started			29-SEP-08	
(b) Parametric Cost Estimates used to develop costs			YES	
* (c) Percent Complete as of 01 JAN 2009			15%	
* (d) Date 35% Designed			18-MAR-09	
(e) Date Design Complete			30-SEP-09	
(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			2,460	
(b) All Other Design Costs			1,230	
(c) Total			3,690	
(d) Contract			3,376	
(e) In-house			314	
(4) Construction Contract Award			10 FEB	
(5) Construction Start			10 MAR	
(6) Construction Completion			12 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE STRATEGIC AIRLIFT APRON EXPANSION			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA103100	8. PROJECT COST (\$000) 32,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					24,809
PAVEMENT		SM	44,600	469	(20,917)
SHOULDERS		SM	12,500	165	(2,063)
TAXIWAYS		SM	3,900	469	(1,829)
SUPPORTING FACILITIES					3,317
AIRFIELD PAVEMENT MARKINGS		SM	48,500	4	(194)
GROUNDING AND TIE-DOWN POINTS		EA	54	1,000	(54)
APRON & TAXIWAY EDGE LIGHTING		LS			(495)
HIGH MAST APRON LIGHTING		EA	4	305,000	(1,220)
ELEC. PRODUCTION AND DISTRIBUTION		LS			(425)
SITE IMPROVEMENT AND DRAINAGE		LS			(913)
DEMOLITION		LS			(16)
SUBTOTAL					28,126
CONTINGENCY (5.0%)					1,406
TOTAL CONTRACT COST					29,532
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					2,274
TOTAL REQUEST					31,806
TOTAL REQUEST (ROUNDED)					32,000
10. Description of Proposed Construction: Construct a 44,600 SM medium-load, paved aircraft apron with shoulders and connecting taxiways for strategic airlift aircraft. Work will also include pavement markings, edge lighting, utilities (including but not limited to power and electrical connections), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 112500 SM Adequate: 0 SM Substandard: 67900 SM PROJECT: STRATEGIC AIRLIFT APRON EXPANSION (NEW MISSION) REQUIREMENT: Airlift aircraft parking apron to support 2 strategic airlift aircraft. Apron is required to support an increase in cargo & personnel into Camp Bastion as a result of the increase of up to 6 Brigade Combat Team equivalents into the southern and eastern portions of Afghanistan. The Combined Forces Air Component Commander (CFACC) in concert with USCENTCOM has identified an increase of strategic and tactical airflow at Bastion as a key logistics capability. CURRENT SITUATION: Currently, the only fixed-wing apron available at the base is for two small support aircraft. CFACC is using the base increasingly in support of US Forces logistical requirements. These aircraft generally offload on a small horseshoe-shaped taxiway at mid-field, large enough for three cargo aircraft of C-17 size or below. The outboard engines of a C-17 overhang the edge of this taxiway and create a foreign-object damage (FOD) hazard; there is no additional space on which aircraft can overnight in case of maintenance issues. In order to support					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE STRATEGIC AIRLIFT APRON EXPANSION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA103100	8. PROJECT COST (\$000) 32,000
<p>the planned buildup of ground component forces in Southern and Eastern Afghanistan, (where substantial US forces, including combat aviation, intend to beddown), additional strategic apron space is required. This project is necessary to enable increased force posture in Afghanistan.</p> <p>IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to airlift capacity cannot be satisfied by increased reliance on ground transportation. Several sensitive categories of materials must be flown.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE STRATEGIC AIRLIFT APRON EXPANSION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER CMBA103100	8. PROJECT COST (\$000) 32,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,920
(b) All Other Design Costs			960
(c) Total			2,880
(d) Contract			2,635
(e) In-house			245
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER CMBA103500	8. PROJECT COST (\$000) 18,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					10,054
CARGO WAREHOUSE AND OFFICE		SM	1,000	1,584	(1,584)
PAVED CARGO MARSHALLING YARD		SM	35,000	242	(8,470)
SUPPORTING FACILITIES					5,806
FIRE SUPPRESSION		LS			(2,826)
HIGH MAST LIGHTING		EA	4	305,000	(1,220)
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(655)
SECURITY FENCE		LS			(210)
SITE IMPROVEMENTS & DRAINAGE		LS			(895)
SUBTOTAL					15,860
CONTINGENCY (5.0%)					793
TOTAL CONTRACT COST					16,653
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					1,282
TOTAL REQUEST					17,935
TOTAL REQUEST (ROUNDED)					18,000
10. Description of Proposed Construction: Construct a 35,000 SM cargo handling area with a 1,000 SM cargo warehouse for both inbound and outbound cargo processing. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 35000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: CARGO HANDLING AREA (NEW MISSION) REQUIREMENT: A Cargo Handling Area is required to support an increase in cargo into Camp Bastion as a result of the increase of up to 6 Brigade Combat Team equivalents into the southern and eastern portions of Afghanistan. The Combined Forces Air Component Commander (CFACC) has identified an increase of strategic and tactical airflow at Bastion as a key logistics capability. CURRENT SITUATION: Bastion is currently not capable of handling the huge projected increase in cargo flow. The existing site has only basic expedient cargo handling capability and very limited capacity. The current area is compacted earth and presents an increased risk of Foreign Object Damage (FOD) to aircraft and is further exacerbated during the wet season. Existing area will quickly be overwhelmed when planned operations increase. IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The increased risk of FOD damage to aircraft will require increased measures to reduce FOD hazards on the airfield pavements or risk reducing the ability of Bastion to handle the expected increased troop strength and corresponding airflow.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER CMBA103500	8. PROJECT COST (\$000) 18,000
<p>The facilities at the existing air hubs Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. With the forecasted increase in troop end strength of up to 500% above current levels, the required increase to cargo handling capacity is critical and directly correlates to the planned increase in required airlift capacity.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER CMBA103500	8. PROJECT COST (\$000) 18,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,080
(b) All Other Design Costs			540
(c) Total			1,620
(d) Contract			1,482
(e) In-house			138
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE EXPEDITIONARY FIGHTER SHELTER			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 211-111	7. PROJECT NUMBER CMBA103700	8. PROJECT COST (\$000) 6,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,255
EXPEDITIONARY FIGHTER SHELTER		SM	2,100	1,550	(3,255)
SUPPORTING FACILITIES					2,300
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(299)
UTILITIES (WATER & SEWER)		LS			(219)
FIRE PROTECTION SYSTEM		SM	2,100	343	(720)
PAVEMENTS (ROADS & TOW WAY)		SM	3,765	200	(753)
SITE IMPROVEMENTS & DRAINAGE		LS			(309)
SUBTOTAL					5,555
CONTINGENCY (5.0%)					278
TOTAL CONTRACT COST					5,833
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					449
TOTAL REQUEST					6,282
TOTAL REQUEST (ROUNDED)					6,300
10. Description of Proposed Construction: Construct two 1,050 SM expeditionary fighter shelters for conducting minor field maintenance on deployed aircraft. Work will include pavements, fire protection system, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 2100 SM Adequate: 0 SM Substandard: 0 SM PROJECT: EXPEDITIONARY FIGHTER SHELTER (NEW MISSION) REQUIREMENT: Expeditionary Fighter Shelters are required to support increased CAS capability at Bastion. The Combined Forces Air Component Commander (CFACC) has identified Bastion as one of a limited number of existing airfields in Afghanistan suitable for CAS operations that will provide maximum operational effectiveness and minimum response-time in support of kinetic ground-force events. CURRENT SITUATION: The CFACC requires beddown of fighter aircraft in Afghanistan in response to current ground-force planning efforts. New apron space, rotary wing operations, and improvements to the nearby munitions storage are all efforts critical to a planned increase of up to 6+ Brigade Combat Team equivalents in Afghanistan in the next two years. This project provides logistic enablers necessary to sustain OEF forces and to give Commander USFOR-A operational flexibility to either introduce additional forces or to redeploy forces as necessary to counter emerging threats or reinforce successful operations. Bastion is central to the CFACC's air support plan. Camp Bastion currently has no fighter maintenance space available for planned counterinsurgency, "seize/hold", and police mentoring/training operations. IMPACT IF NOT PROVIDED: If fighter maintenance space is not provided at Bastion, the CFACC will not be able to support increased ground operations in Southern and					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN			4. PROJECT TITLE EXPEDITIONARY FIGHTER SHELTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 211-111	7. PROJECT NUMBER CMBA103700	8. PROJECT COST (\$000) 6,300	
<p>Eastern Afghanistan. All other CAS-suitable airfields in proximity to Afghanistan (outside planned work at Bagram, KAF and Bastion) will require extensive tanker support, and also exceed desired response time to the planned area of operations. An alternate airfield will drive an increase in response to ground-force contact, putting US Forces in increased/prolonged danger after and during insurgent contact. Alternately, the Commander may be forced to support an increase in ground forces with no increase in CAS aircraft on the ground in Afghanistan; this will cause air and ground commanders alike to assume risk in engaging insurgents, in the event no CAS is available to support.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE EXPEDITIONARY FIGHTER SHELTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 211-111	7. PROJECT NUMBER CMBA103700	8. PROJECT COST (\$000) 6,300
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			378
(b) All Other Design Costs			189
(c) Total			567
(d) Contract			519
(e) In-house			48
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE SECURE RSOI FACILITY			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-784	7. PROJECT NUMBER CMBA103400	8. PROJECT COST (\$000) 10,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					6,480
PASSENGER TERMINAL FACILITY		SM	2,400	2,700	(6,480)
SUPPORTING FACILITIES					2,336
UTILITIES		LS			(425)
PAVEMENTS		SM	4,595	200	(919)
SITE IMPROVEMENTS & DRAINAGE		LS			(992)
SUBTOTAL					8,816
CONTINGENCY (5.0%)					441
TOTAL CONTRACT COST					9,257
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					713
TOTAL REQUEST					9,970
TOTAL REQUEST (ROUNDED)					10,000
10. Description of Proposed Construction: Construct a 2,400 SM pre-engineered metal building or similar type of construction passenger terminal for the reception, staging, onward-movement and integration (RSOI) facility. The facility will be sized for both inbound and outbound passenger processing. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 2400 SM Adequate: 0 SM Substandard: 0 SM PROJECT: SECURE RSOI FACILITY (NEW MISSION) REQUIREMENT: Passenger Terminal is required to support an increase in passengers into Bastion as a result of the increase of up to 6 Brigade Combat Team equivalents into the southern and eastern portions of Afghanistan. The Combined Forces Air Component Commander (CFACC) has identified an increase of strategic and tactical airflow at Bastion as a key logistics capability. CURRENT SITUATION: Bastion is currently not capable of handling the huge projected increase in passenger flow. All passenger processing is currently executed either outdoors or in tents. The operation is scoped to handle existing traffic and is not capable of handling the drastically increased workload. The existing operation will quickly be overwhelmed when airlift operations increase. IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The existing facilities are unable to support the demands of additional forces. The required increase to passenger processing up to 500% from current capacity is in correspondence with and critical to the planned increase in both troop strength and airlift capacity. ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE SECURE RSOI FACILITY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-784	7. PROJECT NUMBER CMBA103400	8. PROJECT COST (\$000) 10,000
<p>development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE SECURE RSOI FACILITY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-784	7. PROJECT NUMBER CMBA103400	8. PROJECT COST (\$000) 10,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			600
(b) All Other Design Costs			300
(c) Total			900
(d) Contract			823
(e) In-house			77
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE AVIATION OPERATIONS & MAINTENANCE FACS			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-753	7. PROJECT NUMBER CMBA103600	8. PROJECT COST (\$000) 8,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					5,474
OPERATIONS & MAINTENANCE FACILITIES		SM	2,400	2,281	(5,474)
SUPPORTING FACILITIES					2,373
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(850)
FIRE PROTECTION SYSTEM		LS			(611)
SITE IMPROVEMENTS & DRAINAGE		LS			(191)
SEWER SYSTEM		LS			(99)
PAVEMENTS (ROADS & TOW WAY)		SM	3,110	200	(622)
SUBTOTAL					7,847
CONTINGENCY (5.0%)					392
TOTAL CONTRACT COST					8,240
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					634
TOTAL REQUEST					8,874
TOTAL REQUEST (ROUNDED)					8,900
10. Description of Proposed Construction: Construct 2,400 SM in aviation operations and maintenance facilities. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 2400 SM Adequate: 0 SM Substandard: 0 SM PROJECT: AVIATION OPERATIONS & MAINTENANCE FACILITIES (NEW MISSION) REQUIREMENT: Aviation Ops/Maintenance Facilities are required to support increased Close Air Support (CAS) operations. The Combined Forces Air Component Commander (CFACC) has identified Camp Bastion as one of a limited number of existing airfields in Afghanistan suitable for CAS operations that will provide maximum operational effectiveness and minimum response-time in support of kinetic ground-force events. CURRENT SITUATION: Bastion currently does not have any facilities for supporting maintenance operations on deployed CAS aircraft. Maintenance is executed out in the open or deferred until the aircraft can be flown to an airfield where the required maintenance can be conducted. IMPACT IF NOT PROVIDED: Bastion will be unable to perform required operations and maintenance of assigned aircraft. As a minimum aircraft will need to rotate to other locations for required maintenance, greatly increasing downtime and decreasing sortie generation rate. It is also possible aircraft will not be deployed to Bastion and support for the warfighters will be extremely limited. ADDITIONAL: All required physical security and anti-terrorism / force protection					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE AVIATION OPERATIONS & MAINTENANCE FACS	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-753	7. PROJECT NUMBER CMBA103600	8. PROJECT COST (\$000) 8,900
<p>measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION CAMP BASTION, AFGHANISTAN		4. PROJECT TITLE AVIATION OPERATIONS & MAINTENANCE FACS	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-753	7. PROJECT NUMBER CMBA103600	8. PROJECT COST (\$000) 8,900
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			534
(b) All Other Design Costs			267
(c) Total			801
(d) Contract			733
(e) In-house			68
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION FOB DWYER, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER ACC103910	8. PROJECT COST (\$000) 4,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,725
CARGO WAREHOUSE AND OFFICE		SM	500	2,050	(1,025)
PAVED CARGO MARSHALLING YARD		SM	10,000	270	(2,700)
SUPPORTING FACILITIES					602
UTILITIES (ELEC. PRODUCTION & DISTRIBUTION)		LS			(240)
SITE IMPROVEMENTS & DRAINAGE		LS			(362)
SUBTOTAL					4,327
CONTINGENCY (5.0%)					216
TOTAL CONTRACT COST					4,543
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					350
TOTAL REQUEST					4,893
TOTAL REQUEST (ROUNDED)					4,900
10. Description of Proposed Construction: Construct 10,000 SM cargo handling area and associated 500 SM cargo warehouse for both inbound and outbound cargo processing. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 10000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: CARGO HANDLING AREA (NEW MISSION) REQUIREMENT: A Cargo Handling Area is required to support an increase in cargo into FOB Dwyer as a result of the increase of up to 6 Brigade Combat Team equivalents into the southern and eastern portions of Afghanistan. The Combined Forces Air Component Commander (CFACC) has identified an increase of tactical airflow at Dwyer as a key logistics capability. CURRENT SITUATION: FOB Dwyer is currently not capable of handling the huge projected increase in cargo flow. Existing site has only expedient cargo handling capability and very limited capacity. The existing area will quickly be overwhelmed when operations increase. IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to cargo marshalling capacity is in correspondence with and critical to the huge increase airlift capacity. ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION FOB DWYER, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER ACC103910	8. PROJECT COST (\$000) 4,900
<p>incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION FOB DWYER, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER ACC103910	8. PROJECT COST (\$000) 4,900
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			294
(b) All Other Design Costs			147
(c) Total			441
(d) Contract			404
(e) In-house			37
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE CAS APRON EXPANSION			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103400	8. PROJECT COST (\$000) 25,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					19,289
APRON PAVEMENT		SM	32,700	469	(15,336)
APRON SHOULDERS		SM	2,600	165	(429)
CONNECTING TAXIWAYS		SM	6,000	469	(2,814)
TAXIWAY SHOULDERS		SM	4,300	165	(710)
SUPPORTING FACILITIES					2,786
AIRFIELD PAVEMENT MARKINGS		SM	38,700	5	(194)
GROUNDING & TIE DOWN POINTS		EA	108	1,000	(108)
BLAST DEFLECTOR		LS			(500)
AIRFIELD EDGE LIGHTING		LS			(375)
HIGH MAST AREA LIGHTING		EA	3	305,000	(915)
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(425)
SITE IMPROVEMENTS & DRAINAGE		LS			(269)
SUBTOTAL					22,074
CONTINGENCY (5.0%)					1,104
TOTAL CONTRACT COST					23,178
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					1,785
TOTAL REQUEST					24,963
TOTAL REQUEST (ROUNDED)					25,000
10. Description of Proposed Construction: Construct a 32,700 SM medium-load paved apron sized to accommodate 12 fighters; project includes all connecting taxiways, shoulders, site work, markings, lighting, tie-downs, utilities (including but not limited to power connections and electrical infrastructure), and all other elements required to make the ramp complete and usable. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 90900 SM Adequate: 58200 SM Substandard: 0 SM PROJECT: CAS APRON EXPANSION (NEW MISSION) REQUIREMENT: In order to support a planned increase in ground operations (counterinsurgency and seize/hold) in Southern and Eastern Afghanistan, Kandahar Airfield (KAF) requires dedicated apron space to accommodate 12 close air support (CAS) aircraft. The Combined Forces Air Component Commander (CFACC) has identified KAF as one of a limited number of existing airfields in Afghanistan suitable for CAS operations that will provide maximum operational effectiveness and minimum response-time in support of kinetic ground-force events. CURRENT SITUATION: The CFACC requires beddown of fighter aircraft in Afghanistan in response to current ground-force planning efforts. New apron space, rotary wing operations, and improvements to the nearby munitions storage area; all efforts are critical to a planned increase of up to 6+ Brigade Combat Team equivalents in Afghanistan in the next two years. This project provides additional CAS apron					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN			4. PROJECT TITLE CAS APRON EXPANSION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103400	8. PROJECT COST (\$000) 25,000	
<p>space to sustain OEF forces and to give Commander USFOR-A operational flexibility to either introduce additional forces or to redeploy forces as necessary to counter emerging threats or reinforce successful operations. Bagram, Kandahar, and Bastion are central to the CFACC's air support plan. KAF currently has limited apron space available for planned increase in CAS aircraft to support counterinsurgency, "seize/hold", and police mentoring/training operations. During this time, other substantial efforts to increase airfield capacity at KAF will be ongoing, including construction of aprons for strategic airlift, ISR, Refueler and Cargo Helicopter aircraft.</p> <p>IMPACT IF NOT PROVIDED: If additional CAS ramp space is not provided at Kandahar, the CFACC will not be able to support increased ground operations in Southern and Eastern Afghanistan. All other CAS-suitable airfields in proximity to Afghanistan (outside planned work at Bagram, KAF and Bastion) will require extensive tanker support, and also exceed desired response time to the planned area of operations. An alternate airfield will drive an increase in response to ground-force contact, putting US Forces in increased/prolonged danger after and during insurgent contact. Alternately, the Commander may be forced to support an increase in ground forces with no increase in CAS aircraft on the ground in Afghanistan; this will cause air and ground commanders alike to assume undue risk in engaging insurgents, in the event no CAS is available to support.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE CAS APRON EXPANSION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103400	8. PROJECT COST (\$000) 25,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			15-JUN-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,500
(b) All Other Design Costs			750
(c) Total			2,250
(d) Contract			2,060
(e) In-house			190
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE REFUELER APRON / RELOCATE HCP			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 116-662	7. PROJECT NUMBER LYAV103300	8. PROJECT COST (\$000) 66,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					49,885
REFUELER APRON PAVEMENT		SM	66,000	473	(31,218)
HOT CARGO PAD PAVEMENT		SM	17,500	473	(8,278)
CONNECTING TAXIWAY		SM	13,000	473	(6,149)
SHOULDERS		SM	25,700	165	(4,241)
SUPPORTING FACILITIES					8,313
AIRFIELD PAVEMENT MARKINGS		SM	96,500	5	(483)
GROUNDING & TIE DOWN POINTS		EA	144	1,000	(144)
AIRFIELD EDGE LIGHTING		LS			(925)
HIGH MAST APRON LIGHTING		EA	8	305,000	(2,440)
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(1,385)
FIRE PROTECTION SYSTEM		LS			(393)
SITE IMPROVEMENTS & DRAINAGE		LS			(2,543)
SUBTOTAL					58,198
CONTINGENCY (5.0%)					2,910
TOTAL CONTRACT COST					61,107
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					4,705
TOTAL REQUEST					65,813
TOTAL REQUEST (ROUNDED)					66,000
10. Description of Proposed Construction: Construct a 66,000 SM heavy-load paved refueler apron and relocate the hazardous cargo pad. Refueler apron sized to accommodate KC-10 and KC-135 aircraft and the hazardous cargo apron to accommodate C-5 aircraft; project includes all connecting taxiways, shoulders, site work, markings, lighting, tie-downs, utilities (including but not limited to power connections and electrical infrastructure), and all other elements required to make the ramp complete and usable. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 66000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: HOT CARGO PAD RELOCATION (NEW MISSION) REQUIREMENT: The Refueler Apron is required to provide required tanker support in theater to meet CFAC's requirement for additional aircraft in theater. The Hot Cargo Pad is required to replace the existing pad that impedes safe and efficient airfield operations. Relocation will optimally situate (with respect to QD Arcs) the pad and allow for critical near-airfield real estate to be used for tanker aircraft parking. CURRENT SITUATION: The existing Hot Cargo Pad and its QD Arcs currently occupy valuable airfield real estate. The Combined Forces Air Component Commander (CFACC) has identified an increase of strategic, refueler, and tactical airflow at Kandahar as a key logistics capability. With an increase of up to 6 Brigade Combat Team					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE REFUELER APRON / RELOCATE HCP	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 116-662	7. PROJECT NUMBER LYAV103300	8. PROJECT COST (\$000) 66,000
<p>equivalents into the southern and eastern portions of Afghanistan and corresponding increase in airfield operation, airfield parking space is at a premium. This space will be used to site the new refueler apron.</p> <p>IMPACT IF NOT PROVIDED: The CFACC will be unable to sustain combat and airlift air operations at the desired rate to support US ground forces deployed in Afghanistan. Kandahar will essentially run out of space for aircraft parking and be unable to grow with operational demands.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE REFUELER APRON / RELOCATE HCP	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 116-662	7. PROJECT NUMBER LYAV103300	8. PROJECT COST (\$000) 66,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			3,960
(b) All Other Design Costs			1,980
(c) Total			5,940
(d) Contract			5,435
(e) In-house			505
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE ISR APRON EXPANSION			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103500	8. PROJECT COST (\$000) 40,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					21,260
APRON PAVEMENT		SM	36,200	469	(16,978)
APRON SHOULDERS		SM	4,600	165	(759)
CONNECTING TAXIWAYS		SM	6,000	469	(2,814)
TAXIWAY SHOULDERS		SM	4,300	165	(710)
SUPPORTING FACILITIES					13,841
AIRFIELD PAVEMENT MARKINGS		SM	42,200	5	(211)
GROUNDING & TIE-DOWN POINTS		EA	156	1,000	(156)
AIRCRAFT PARKING SHELTERS		EA	13	600,000	(7,800)
AIRFIELD EDGE LIGHTING		LS			(635)
HIGH MAST AREA LIGHTING		EA	3	305,000	(915)
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(425)
FIRE PROTECTION SYSTEM		LS			(429)
SITE IMPROVEMENTS & DRAINAGE		SM	51,100	64	(3,270)
SUBTOTAL					35,102
CONTINGENCY (5.0%)					1,755
TOTAL CONTRACT COST					36,857
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					2,838
TOTAL REQUEST					39,695
TOTAL REQUEST (ROUNDED)					40,000
10. Description of Proposed Construction: Construct a 36,200 SM medium-load paved apron sized to accommodate 26 ISR aircraft; project includes all connecting taxiways, shoulders, aircraft shelters, site work, markings, lighting, tie-downs, utilities (including but not limited to power connections and electrical infrastructure), and all other elements required to make the ramp complete and usable. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 89200 SM Adequate: 53000 SM Substandard: SM PROJECT: ISR APRON EXPANSION (NEW MISSION) REQUIREMENT: A fully connected and operable apron sized and designed for 26 ISR aircraft. The Combined Forces Air Component Commander (CFACC) has identified Kandahar as a key ISR hub to support the beddown and sustainment of 6 Brigade Combat Team equivalents into the Southern and Eastern portions of Afghanistan. This new requirement of 26 aircraft will expand upon the previously defined requirement of 26 ISR aircraft that drove design for the FY08 ISR Ramp project. CURRENT SITUATION: The CFACC requires beddown of ISR aircraft in Afghanistan in response to current ground-force planning efforts. New apron space is critical to a planned increase of up to 6+ Brigade Combat Team equivalents in Afghanistan in					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN			4. PROJECT TITLE ISR APRON EXPANSION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103500	8. PROJECT COST (\$000) 40,000	
<p>the next two years. This project provides additional apron space to accommodate the exploding requirement for ISR assets to support the ground forces and conduct surveillance of other critical areas. The current and planned aprons will not meet the requirement for additional ISR assets in this region of Afghanistan and to give Commander USFOR-A operational flexibility to either introduce additional forces or to redeploy forces as necessary to counter emerging threats or reinforce successful operations. Bagram, Kandahar, and Bastion are central to the CFACC's air support plan. KAF currently does not have sufficient apron space available for planned counterinsurgency, "seize/hold", and police mentoring/training operations. During this time, other substantial efforts to increase airfield capacity at KAF will be ongoing, including construction of a strategic airlift apron, increased apron space for ISR aircraft.</p> <p>IMPACT IF NOT PROVIDED: If additional ISR apron space is not provided at Kandahar, the CFACC will not be able to support increased ground operations in Southern and Eastern Afghanistan. This lack of ISR assets will force the commander to dedicate his resources to ongoing operations and not allow persistent coverage of high threat areas to enable better forecasting of hostile actions or conduct pre-emptive operations and will have lost opportunities due this lack of adequate and timely intelligence.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE ISR APRON EXPANSION	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103500	8. PROJECT COST (\$000) 40,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			2,400
(b) All Other Design Costs			1,200
(c) Total			3,600
(d) Contract			3,294
(e) In-house			306
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE RELOCATE NORTH AIRFIELD ROAD			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 851-147	7. PROJECT NUMBER LYAV103900	8. PROJECT COST (\$000) 16,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					12,404
ROADS		SM	36,000	168	(6,048)
BRIDGES		EA	2	3,178,000	(6,356)
SUPPORTING FACILITIES					1,649
PAVEMENT MARKINGS		SM	36,000	2	(72)
DEMOLITION		LS			(285)
SITE IMPROVEMENTS & DRAINAGE		LS			(1,292)
SUBTOTAL					14,053
CONTINGENCY (5.0%)					703
TOTAL CONTRACT COST					14,756
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					1,136
TOTAL REQUEST					15,892
TOTAL REQUEST (ROUNDED)					16,000
10. Description of Proposed Construction: Construct a 36,000 SM of road pavements, and shoulders heavy vehicle traffic. Work will also include pavement markings, bridges, drainage culverts, and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 36000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: RELOCATE NORTH AIRFIELD ROAD (NEW MISSION) REQUIREMENT: Relocate 36,000 SM of the North Airfield Road around the flightline to allow construction of aircraft parking aprons and improve base vehicle circulation. CURRENT SITUATION: Currently, the north airfield road is dirt and follows the runway. It crosses several access taxiways, presenting security and safety problems. These road intersections require all base personnel to cross active taxiways presenting a significant Foreign Object Debris (FOD) hazard to taxiing aircraft especially in the winter during the rainy season. In addition there is an increased security risk with base personnel having access to these active taxiways during airfield operations potentially involving armed aircraft. Munitiona are currently hauled over a dirt road from the hazardous cargo pad to the munitions storage area (MSA) and from the MSA to the respective armed aircraft parking aprons. IMPACT IF NOT PROVIDED: The base will be forced to continue to use the dirt road and cross all the current and under construction access taxiways. The increased risk of FOD damage to an aircraft engine is a grave safety concern. The munitions will continue to be hauled over muddy and rutted dirt roads placing operations at risk. The road will see increasingly more use as as additional munitions meet the 6+ Brigade Combat teams arrive; the already failing transportation network will virtually collapse.					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE RELOCATE NORTH AIRFIELD ROAD	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 851-147	7. PROJECT NUMBER LYAV103900	8. PROJECT COST (\$000) 16,000
<p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE RELOCATE NORTH AIRFIELD ROAD	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 851-147	7. PROJECT NUMBER LYAV103900	8. PROJECT COST (\$000) 16,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			960
(b) All Other Design Costs			480
(c) Total			1,440
(d) Contract			1,318
(e) In-house			122
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE TACTICAL AIRLIFT APRON			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103200	8. PROJECT COST (\$000) 29,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					22,629
PAVEMENT		SM	35,000	469	(16,415)
SHOULDERS		SM	13,500	165	(2,228)
CONNECTING TAXIWAYS		SM	8,500	469	(3,987)
SUPPORTING FACILITIES					2,958
AIRFIELD PAVEMENT MARKINGS		SM	43,500	5	(218)
GROUNDING AND TIE DOWN POINTS		EA	60	1,000	(60)
APRON EDGE LIGHTING		LS			(455)
HIGH MAST APRON LIGHTING		EA	3	305,000	(915)
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(355)
RELOCATE TEMP HANGERS		EA	3	240,000	(720)
DEMOLITION		LS			(235)
SUBTOTAL					25,587
CONTINGENCY (5.0%)					1,279
TOTAL CONTRACT COST					26,866
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					2,069
TOTAL REQUEST					28,934
TOTAL REQUEST (ROUNDED)					29,000
10. Description of Proposed Construction: Construct a 35,000 SM medium-load paved aircraft apron, connecting taxiways, and shoulders for tactical airlift aircraft. Work will also include pavement markings, edge lighting, high mast apron lighting, utilities (including but not limited to power and electrical connections) and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 35000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: TACTICAL AIRLIFT APRON (NEW MISSION) REQUIREMENT: A fully connected and operable apron sized and designed for 6 tactical airlift aircraft. The Combined Forces Air Component Commander (CFACC) has identified Kandahar Air Field (KAF) as a key airlift hub to support the beddown and sustainment of 6 Brigade Combat Team equivalents into the Southern and Eastern portions of Afghanistan. CURRENT SITUATION: Planned ground-force plus-ups for Southern and Eastern Afghanistan will increase logistical demand up to 500% just to beddown the added units. Airlift is now and will become increasingly critical, both strategically - getting supplies and personnel into theater - and tactically - getting supplies and personnel into and out of forward operating locations. Currently the base cannot support the planned airlift from existing aprons. KAF currently operates 3 strategic and tactical airlift aprons, which allow parking/offload for 9 aircraft. Of these, the United States typically has 2 on the apron at Kandahar at any one					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE TACTICAL AIRLIFT APRON	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103200	8. PROJECT COST (\$000) 29,000

time; about 85% below what is currently required (the rest of the available MOG is used by ISAF partner nations, as Kandahar is an ISAF base). This project is necessary to increase force posture in Afghanistan.

IMPACT IF NOT PROVIDED: If this project is not provided, a huge amount of added strain will be placed on not only ground logistics lines into and out of Afghanistan, but around the Southern and Eastern portions of the country's Ring Road as materials are ground-convoyed to more remote locations. Lacking appropriate airlift infrastructure, this massive ground logistics effort will exponentially slow the planned influx of ground forces into Afghanistan, giving insurgents an opportunity to gain additional ground; it will also place many more logistics convoys in direct harm on what have lately been the most dangerous and vulnerable stretches of Ring Road in the country.

ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE TACTICAL AIRLIFT APRON	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103200	8. PROJECT COST (\$000) 29,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,740
(b) All Other Design Costs			870
(c) Total			2,610
(d) Contract			2,388
(e) In-house			222
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE			
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN				4. PROJECT TITLE CARGO HELICOPTER APRON				
5. PROGRAM ELEMENT 27596		6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103800		8. PROJECT COST (\$000) 32,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES								25,987
PAVEMENT					SM	50,200	469	(23,544)
SHOULDERS					SM	7,700	165	(1,271)
CONNECTING TAXIWAYS					SM	2,500	469	(1,173)
SUPPORTING FACILITIES								2,279
AIRFIELD PAVEMENT MARKINGS					SM	52,700	5	(264)
GOUNDING AND TIE-DOWN POINTS					EA	60	1,000	(60)
APRON EDGE LIGHTING					LS			(325)
HIGH MAST APRON LIGHTING					EA	3	305,000	(915)
ELEC. (PRODUCTION AND DISTRIBUTION)					LS			(385)
DEMOLITION					SM	66,000	5	(330)
SUBTOTAL								28,265
CONTINGENCY (5.0%)								1,413
TOTAL CONTRACT COST								29,679
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)								2,285
TOTAL REQUEST								31,964
TOTAL REQUEST (ROUNDED)								32,000
10. Description of Proposed Construction: Construct a 50,200 SM medium-load paved aircraft apron, connecting taxiways, and shoulders for 10 cargo helicopter aircraft. Work will also include pavement markings, edge lighting, high mast apron lighting, utilities (including but not limited to power and electrical connections) and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.								
11. Requirement: 50200 SM Adequate: 0 SM Substandard: 0 SM PROJECT: CARGO HELICOPTER APRON (NEW MISSION) REQUIREMENT: Cargo Helicopter Apron is required to support an increase in cargo into Kandahar as a result of the increase of up to 6 Brigade Combat Team equivalents into the southern portion of Afghanistan. USFOR-A has identified an increase of tactical airflow at Kandahar as a key logistics capability. CURRENT SITUATION: Kandahar is currently not capable of handling the huge projected increase in cargo flow. Existing cargo helicopter operation is met with expedient facilities and is scoped to handle existing traffic. It is not capable of handling the drastically increased workload. The existing apron will quickly be overwhelmed when operations increase. IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs Bagram and Kandahar are currently								

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE CARGO HELICOPTER APRON	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103800	8. PROJECT COST (\$000) 32,000
<p>overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to cargo marshalling capacity is in correspondence with and critical to the huge increase airlift capacity.</p> <p>ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE CARGO HELICOPTER APRON	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 113-321	7. PROJECT NUMBER LYAV103800	8. PROJECT COST (\$000) 32,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			1,920
(b) All Other Design Costs			960
(c) Total			2,880
(d) Contract			2,635
(e) In-house			245
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			12 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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN			4. PROJECT TITLE EXPEDITIONARY FIGHTER SHELTER		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 211-111	7. PROJECT NUMBER LYAV103700	8. PROJECT COST (\$000) 6,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,255
EXPEDITIONARY FIGHTER SHELTER		SM	2,100	1,550	(3,255)
SUPPORTING FACILITIES					2,401
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(305)
UTILITIES (WATER & SEWER)		LS			(225)
FIRE PROTECTION SYSTEM		SM	2,100	343	(720)
PAVEMENTS (ROADS & TOW WAY)		SM	3,845	200	(769)
SITE IMPROVEMENTS & DRAINAGE		LS			(382)
SUBTOTAL					5,656
CONTINGENCY (5.0%)					283
TOTAL CONTRACT COST					5,939
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					457
TOTAL REQUEST					6,396
TOTAL REQUEST (ROUNDED)					6,400
10. Description of Proposed Construction: Construct two 1,050 SM expeditionary fighter shelters for conducting minor field maintenance on deployed aircraft. Work will include pavements, fire protection system, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 2100 SM Adequate: 0 SM Substandard: 0 SM PROJECT: EXPEDITIONARY FIGHTER SHELTER (NEW MISSION) REQUIREMENT: Expeditionary Fighter Shelters are required to support increased CAS capability at Kandahar Air Field (KAF). The Combined Forces Air Component Commander (CFACC) has identified KAF as one of a limited number of existing airfields in Afghanistan suitable for CAS operations that will provide maximum operational effectiveness and minimum response-time in support of kinetic ground-force events. CURRENT SITUATION: CFACC requires beddown of fighter aircraft in Afghanistan in response to current ground-force planning efforts. New apron space, rotary wing operations, and improvements to the nearby munitions storage area; are all efforts critical to a planned increase of up to 6+ Brigade Combat Team equivalents in Afghanistan in the next two years. The rapid increase in CAS aircraft has resulted in insufficient space for maintaining the number of aircraft being deployed. This project provides maintainers the necessary space to sustain OEF forces and to give Commander USFOR-A operational flexibility to either introduce additional forces or to redeploy forces as necessary to counter emerging threats or reinforce successful operations. Kandahar is central to the CFACC's air support plan. KAF currently has no fighter maintenance space available for planned counterinsurgency, "seize/hold", and police mentoring/training operations. IMPACT IF NOT PROVIDED: If fighter maintenance space is not provided at Kandahar,					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE EXPEDITIONARY FIGHTER SHELTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 211-111	7. PROJECT NUMBER LYAV103700	8. PROJECT COST (\$000) 6,400
<p>the CFACC will not be able to support increased ground operations in Southern and Eastern Afghanistan. The lack of adequate aircraft maintenance space will either limit the amount and duration of aircraft that can be deployed or result in aircraft not being deployed to this location, until adequate space can be constructed. All other CAS-suitable airfields in proximity to Afghanistan (outside planned work at Bagram, Kandahar, and Bastion) will require extensive tanker support, and also exceed desired response time to the planned area of operations. An alternate airfield will drive an increase in response to ground-force contact, putting US Forces in increased/prolonged danger after and during insurgent contact. Alternately, the Commander may be forced to support an increase in ground forces with no increase in CAS aircraft on the ground in Afghanistan; this will cause air and ground commanders alike to assume risk in engaging insurgents, in the event no CAS is available to support.</p> <p>ADDITIONAL: All required physical security and anti-terrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE EXPEDITIONARY FIGHTER SHELTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 211-111	7. PROJECT NUMBER LYAV103700	8. PROJECT COST (\$000) 6,400
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(f) Energy Study/Life-Cycle analysis was/will be performed			NO
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			384
(b) All Other Design Costs			192
(c) Total			576
(d) Contract			527
(e) In-house			49
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE SECURE RSOI FACILITY			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-784	7. PROJECT NUMBER LYAV104200	8. PROJECT COST (\$000) 9,700		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					6,480
PASSENGER TERMINAL FACILITY		SM	2,400	2,700	(6,480)
SUPPORTING FACILITIES					2,083
UTILITIES		LS			(398)
PAVEMENTS		SM	4,595	200	(919)
SITE IMPROVEMENTS & DRAINAGE		LS			(766)
SUBTOTAL					8,563
CONTINGENCY (5.0%)					428
TOTAL CONTRACT COST					8,991
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					692
TOTAL REQUEST					9,683
TOTAL REQUEST (ROUNDED)					9,700
10. Description of Proposed Construction: Construct a 2,400 SM pre-engineered metal building or similar type of construction passenger terminal for the reception, staging onward-movement and integration (RSOI) facility. The facility will be sized for both inbound and outbound passenger processing. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 2400 SM Adequate: 0 SM Substandard: 0 SM PROJECT: SECURE RSOI FACILITY (NEW MISSION) REQUIREMENT: Passenger Terminal is required to support an increase in passengers into Kandahar as a result of the increase of up to 6 Brigade Combat Team equivalents into the southern and eastern portions of Afghanistan. The Combined Forces Air Component Commander (CFACC) has identified an increase of strategic and tactical airflow at Kandahar as a key logistics capability. CURRENT SITUATION: Kandahar is currently not capable of handling the huge projected increase in passenger flow. All passenger processing is currently executed in a building that is shared with the airfield operations personnel. The operation is scoped to handle existing traffic and is not capable of handling the drastically increased workload. Existing operation will quickly be overwhelmed when airlift operations increase. IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The lack of an adequate facility will require commanders to gain accountability of personnel arriving and departing the airfield through other less exact methods. Personnel transiting through the Kandahar will increasingly be forced outdoors and potentially overflowing into the street. The existing facilities are unable to support the demands of additional forces. The required increase to passenger processing capacity is critical and directly correlates to the huge increase					

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3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE SECURE RSOI FACILITY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-784	7. PROJECT NUMBER LYAV104200	8. PROJECT COST (\$000) 9,700

personnel airlift requirements.

ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

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 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE SECURE RSOI FACILITY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-784	7. PROJECT NUMBER LYAV104200	8. PROJECT COST (\$000) 9,700
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			582
(b) All Other Design Costs			291
(c) Total			873
(d) Contract			799
(e) In-house			74
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(6) Construction Completion			11 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE AVIATION OPERATIONS & MAINTENANCE FACS			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-753	7. PROJECT NUMBER LYAV103600	8. PROJECT COST (\$000) 10,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					5,474
OPERATION & MAINTENANCE FACILITIES		SM	2,400	2,281	(5,474)
SUPPORTING FACILITIES					3,785
UTILITIES (POWER PRODUCTION & DISTRIBUTION)		LS			(850)
FIRE PROTECTION SYSTEM		LS			(611)
PAVEMENTS (ROADS & TOW WAY)		SM	8,495	200	(1,699)
SITE IMPROVEMENTS & DRAINAGE		LS			(625)
SUBTOTAL					9,259
CONTINGENCY (5.0%)					463
TOTAL CONTRACT COST					9,722
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					749
TOTAL REQUEST					10,471
TOTAL REQUEST (ROUNDED)					10,500
10. Description of Proposed Construction: Construct 2,400 SM in aviation operations and maintenance facilities. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 2400 SM Adequate: 0 SM Substandard: 0 SM PROJECT: AVIATION OPERATION & MAINTENANCE FACS (NEW MISSION) REQUIREMENT: Aviation Ops/Maintenance Facilities are required to support increased Close Air Support (CAS) operations. The Combined Forces Air Component Commander (CFACC) has identified Kandahar Air Field (KAF) as one of a limited number of existing airfields in Afghanistan suitable for CAS operations that will provide maximum operational effectiveness and minimum response-time in support of kinetic ground-force events. CURRENT SITUATION: Kandahar currently does not have any facilities for aircraft maintenance operations on deployed CAS aircraft. Maintenance is performed out in the open or deferred until the aircraft can be flown to an airfield where the required maintenance can be conducted. IMPACT IF NOT PROVIDED: Kandahar will be unable to adequately support operations and maintenance on assigned aircraft forcing these aircraft to rotate to other locations for required maintenance. Remaining aircraft may experience increased amounts of downtime awaiting maintenance. This could result in either aircraft not being deployed to Kandahar to support ground forces or a significant decrease in sortie generation due to lack of maintenance capability. ADDITIONAL: All required physical security and anti-terrorism/force protection measures will be incorporated. Sustainable principles will be integrated into the					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE AVIATION OPERATIONS & MAINTENANCE FACS	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-753	7. PROJECT NUMBER LYAV103600	8. PROJECT COST (\$000) 10,500
<p>development, design, and construction of the project. Joint use potential will be incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE																										
3. INSTALLATION AND LOCATION KANDAHAR AB, AFGHANISTAN		4. PROJECT TITLE AVIATION OPERATIONS & MAINTENANCE FACS																											
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-753	7. PROJECT NUMBER LYAV103600	8. PROJECT COST (\$000) 10,500																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>29-SEP-08</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>YES</td> </tr> <tr> <td>* (c) Percent Complete as of 01 JAN 2009</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>18-MAR-09</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>30-SEP-09</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>NO</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>630</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>315</td> </tr> <tr> <td>(c) Total</td> <td>945</td> </tr> <tr> <td>(d) Contract</td> <td>865</td> </tr> <tr> <td>(e) In-house</td> <td>80</td> </tr> </table> <p>(4) Construction Contract Award 10 FEB</p> <p>(5) Construction Start 10 MAR</p> <p>(6) Construction Completion 11 SEP</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>				(a) Date Design Started	29-SEP-08	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of 01 JAN 2009	15%	* (d) Date 35% Designed	18-MAR-09	(e) Date Design Complete	30-SEP-09	(f) Energy Study/Life-Cycle analysis was/will be performed	NO	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used		(a) Production of Plans and Specifications	630	(b) All Other Design Costs	315	(c) Total	945	(d) Contract	865	(e) In-house	80
(a) Date Design Started	29-SEP-08																												
(b) Parametric Cost Estimates used to develop costs	YES																												
* (c) Percent Complete as of 01 JAN 2009	15%																												
* (d) Date 35% Designed	18-MAR-09																												
(e) Date Design Complete	30-SEP-09																												
(f) Energy Study/Life-Cycle analysis was/will be performed	NO																												
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(e) In-house	80																												

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION SHANK, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER SHNK103100	8. PROJECT COST (\$000) 4,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,725
CARGO WAREHOUSE AND OFFICE		SM	500	2,050	(1,025)
PAVED CARGO MARSHALLING YARD		SM	10,000	270	(2,700)
SUPPORTING FACILITIES					602
UTILITIES (ELEC. PRODUCTION & DISTRIBUTION)		LS			(240)
SITE IMPROVEMENTS & DRAINAGE		LS			(362)
SUBTOTAL					4,327
CONTINGENCY (5.0%)					216
TOTAL CONTRACT COST					4,543
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					350
TOTAL REQUEST					4,893
TOTAL REQUEST (ROUNDED)					4,900
10. Description of Proposed Construction: Construct 10,000 SM cargo handling area and associated 500 SM cargo warehouse for both inbound and outbound cargo processing. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 10000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: CARGO HANDLING AREA (NEW MISSION) REQUIREMENT: A Cargo Handling Area is required to support an increase in cargo into FOB Shank as a result of the increase of up to 6 Brigade Combat Team equivalents into the southern and eastern portions of Afghanistan. The Combined Forces Air Component Commander (CFACC) has identified an increase of tactical airflow at Shank as a key logistics capability. CURRENT SITUATION: FOB Shank is currently not capable of handling the huge projected increase in cargo flow. Existing site has only expedient cargo handling capability and very limited capacity. The existing area will quickly be overwhelmed when operations increase. IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to cargo handling capacity is in correspondence with and critical to the huge increase in airlift capacity. ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION SHANK, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER SHNK103100	8. PROJECT COST (\$000) 4,900
<p>incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION SHANK, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER SHNK103100	8. PROJECT COST (\$000) 4,900
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			294
(b) All Other Design Costs			147
(c) Total			441
(d) Contract			404
(e) In-house			37
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION TARIN KOWT, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA			
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER TRKT103100	8. PROJECT COST (\$000) 4,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,725
CARGO WAREHOUSE AND OFFICES		SM	500	2,050	(1,025)
PAVED CARGO MARSHALLING YARD		SM	10,000	270	(2,700)
SUPPORTING FACILITIES					602
UTILITIES (ELEC. PRODUCTION & DISTRIBUTION)		LS			(240)
SITE IMPROVEMENTS & DRAINAGE		LS			(362)
SUBTOTAL					4,327
CONTINGENCY (5.0%)					216
TOTAL CONTRACT COST					4,543
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					350
TOTAL REQUEST					4,893
TOTAL REQUEST (ROUNDED)					4,900
10. Description of Proposed Construction: Construct 10,000 SM cargo handling area and associated 500 SM cargo warehouse for both inbound and outbound cargo processing. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 10000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: CARGO HANDLING AREA (NEW MISSION) REQUIREMENT: Cargo Handling Area is required to support an increase in cargo into Tarin Kowt as a result of the increase of up to 6 Brigade Combat Team equivalents into the southern and eastern portions of Afghanistan. The Combined Forces Air Component Commander (CFACC) has identified an increase of tactical airflow at Tarin Kowt as a key logistics capability. CURRENT SITUATION: Tarin Kowt is currently not capable of handling the huge projected increase in cargo flow. Existing site has only expedient cargo handling capability and very limited capacity. The existing area will quickly be overwhelmed when operations increase. IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to cargo marshalling capacity is in correspondence with and critical to the huge increase airlift capacity. ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION TARIN KOWT, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER TRKT103100	8. PROJECT COST (\$000) 4,900
<p>incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

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3. INSTALLATION AND LOCATION TARIN KOWT, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER TRKT103100	8. PROJECT COST (\$000) 4,900
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			294
(b) All Other Design Costs			147
(c) Total			441
(d) Contract			404
(e) In-house			37
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION FOB WOLVERINE, AFGHANISTAN			4. PROJECT TITLE CARGO HANDLING AREA		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER ACC104410	8. PROJECT COST (\$000) 4,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					3,725
CARGO WAREHOUSE AND OFFICE		SM	500	2,050	(1,025)
PAVED CARGO MARSHALLING YARD		SM	10,000	270	(2,700)
SUPPORTING FACILITIES					602
UTILITIES (ELEC. PRODUCTION & DISTRIBUTION)		LS			(240)
SITE IMPROVEMENTS & DRAINAGE		LS			(362)
SUBTOTAL					4,327
CONTINGENCY (5.0%)					216
TOTAL CONTRACT COST					4,543
SUPERVISION, INSPECTION AND OVERHEAD (7.7%)					350
TOTAL REQUEST					4,893
TOTAL REQUEST (ROUNDED)					4,900
10. Description of Proposed Construction: Construct 10,000 SM cargo handling area and associated 500 SM cargo warehouse for both inbound and outbound cargo processing. Work will include pavements, supporting infrastructure (to include power and electrical connections as appropriate), and other necessary site improvements. Line item costs in block 9 include contractor overhead and profit. Design costs are included in the total cost of this design/build project.					
11. Requirement: 10000 SM Adequate: 0 SM Substandard: 0 SM PROJECT: CARGO HANDLING AREA (NEW MISSION) REQUIREMENT: A Cargo Handling Area is required to support an increase in cargo into FOB Wolverine as a result of the increase of up to 6 Brigade Combat Team equivalents into the southern and eastern portions of Afghanistan. The Combined Forces Air Component Commander (CFACC) has identified an increase of tactical airflow at Wolverine as a key logistics capability. CURRENT SITUATION: FOB Wolverine is currently not capable of handling the huge projected increase in cargo flow. Existing site has only expedient cargo handling capability and very limited capacity. The existing area will quickly be overwhelmed when operations increase. IMPACT IF NOT PROVIDED: If this project is not funded, the commanders in Afghanistan will face unacceptable risk sustaining additional forces because the logistics concept of operations for those forces will be impossible to execute. The facilities at the existing air hubs Bagram and Kandahar are currently overextended (not able to meet the full daily demand for airlift) and unable to support the demands of additional forces. The required increase to cargo marshalling capacity is in correspondence with and critical to the huge increase airlift capacity. ADDITIONAL: All required physical security and anti-terrorism / force protection measures will be incorporated. Sustainable principles will be integrated into the development, design, and construction of the project. Joint use potential will be					

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION FOB WOLVERINE, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER ACC104410	8. PROJECT COST (\$000) 4,900
<p>incorporated where feasible. This project has been coordinated with the installation physical security plan, and all physical security measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION FOB WOLVERINE, AFGHANISTAN		4. PROJECT TITLE CARGO HANDLING AREA	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 452-258	7. PROJECT NUMBER ACC104410	8. PROJECT COST (\$000) 4,900
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			29-SEP-08
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2009			15%
* (d) Date 35% Designed			18-MAR-09
(e) Date Design Complete			30-SEP-09
(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			294
(b) All Other Design Costs			147
(c) Total			441
(d) Contract			404
(e) In-house			37
(4) Construction Contract Award			10 FEB
(5) Construction Start			10 MAR
(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: N/A			

1. COMPONENT AIR FORCE	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION HQ USAF, DISTRICT OF COLUMBIA		4. PROJECT TITLE PLANNING AND DESIGN - FY10 OCOR			
5. PROGRAM ELEMENT 91211	6. CATEGORY CODE 102-11	7. PROJECT NUMBER PAYZ100010	8. PROJECT COST (\$000) 35,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					35,000
PLANNING AND DESIGN		LS			(35,000)
SUPPORTING FACILITIES					0
SUBTOTAL					35,000
TOTAL CONTRACT COST					35,000
TOTAL REQUEST					35,000
TOTAL REQUEST (ROUNDED)					35,000
10. Description of Proposed Construction: Planning and Design Funds for FY10 WAR Supplemental MILCON Projects					
11. Requirement: Adequate: Substandard:					
PROJECT: As required					
REQUIREMENT: Planning and Design (P&D) Funds for projects at various AOR CENTCOM locations (most projects support OEF); P&D for FY10 OCOR.					