



Department of the Air Force

Military Construction Program

**Fiscal Year (FY) 2011
Budget Estimates**

**Addendum to reflect program
revisions resulting from announcement of
Luke AFB, AZ and Hill AFB, UT
as preferred sites for F-35 squadrons**

**Justification Data Submitted to Congress
29 November 2010**

Department of the Air Force
Military Construction and Military Family Housing
Program Summary - Addendum
Fiscal Year 2011

	Authorization For Appropriation Request <u>(\$000s)</u>	Appropriation Request <u>(\$000s)</u>
Military Construction		
Inside the United States	919,845	919,845
Outside the United States	307,114	307,114
Planning and Design (10 USC 2807)	66,336	66,336
Unspecified Minor Construction (10 USC 2805)	18,000	18,000
Total Military Construction	1,311,295	1,311,295
Military Family Housing		
New Construction	0	0
Improvements	73,800	73,800
Planning and Design	4,225	4,225
Subtotal	78,025	78,025
Operations, Utilities and Maintenance	364,218	364,218
Leasing	95,671	95,671
Privatization	53,903	53,792
Subtotal	513,792	513,792
Total Military Family Housing	591,817	591,817
Grand Total Air Force	1,903,112	1,903,112

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(DOLLARS IN THOUSANDS)
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STATE/COUNTRY	INSTALLATION	PROJECT	AUTH FOR APPROP REQUEST	APPROP REQUEST	PAGE	
ALABAMA	Maxwell	ADAL Air University Library	13,400	13,400	22	
			Maxwell TOTAL:	<u>13,400</u>		<u>13,400</u>
			ALABAMA TOTAL:	<u>13,400</u>		<u>13,400</u>
ALASKA	Eielson	Repair Central Heat and Power Plant Boiler	28,000	28,000	26	
			Eielson Total	<u>28,000</u>		<u>28,000</u>
	Elmendorf	ADAL Air Support Operations Squadron Training Facility	4,749	4,749	30	
			F-22 Add/Alter Weapons Release Systems Shop & AME	10,525	10,525	33
			Railhead Operations facility	15,000	15,000	36
Elmendorf TOTAL:	<u>30,274</u>	<u>30,274</u>				
ALASKA TOTAL:	<u>58,274</u>	<u>58,274</u>				
ARIZONA	Davis-Monthan	AMARG Hangar	25,000	25,000	40	
		HC-130 AGE Maintenance Facility	4,600	4,600	43	
		HC-130J Aerial Cargo Facility	10,700	10,700	46	
		HC-130J Parts Store	8,200	8,200	49	
	Davis-Monthan TOTAL:	<u>48,500</u>	<u>48,500</u>			
	Fort Huachuca	TFI - Predator LRE Beddown	11,000	11,000	53	
			Fort Huachuca TOTAL	<u>11,000</u>		<u>11,000</u>
	Luke	F-35 Academic Training Center	54,150	54,150	55B	
			F-35 Squadron Operations Facility	10,260	10,260	55E
			Luke TOTAL	<u>64,410</u>	<u>64,410</u>	
ARIZONA TOTAL:	<u>123,910</u>	<u>123,910</u>				
COLORADO	Buckley	Security Forces Operations Facility	12,160	12,160	57	
			Buckley TOTAL:	<u>12,160</u>		<u>12,160</u>
	Peterson	RAIDRS Space Control Facility	24,800	24,800	61	
			Peterson TOTAL:	<u>24,800</u>		<u>24,800</u>
	USAF Academy	Const Center for Character & Leadership Development	27,600	27,600	65	
USAF Academy TOTAL:	<u>27,600</u>	<u>27,600</u>				
COLORADO TOTAL:	<u>64,560</u>	<u>64,560</u>				
DELAWARE	Dover	C-5M/C-17 Maintenance Training Facility Phase 2	3,200	3,200	69	
			Dover TOTAL	<u>3,200</u>		<u>3,200</u>
			DELAWARE TOTAL	<u>3,200</u>		<u>3,200</u>
DISTRICT OF COLUMBIA	Bolling	Joint Air Defense Opeations Center	13,200	13,200	73	
			Bolling TOTAL:	<u>13,200</u>		<u>13,200</u>
			DISTRICT OF COLUMBIA TOTAL:	<u>13,200</u>		<u>13,200</u>
FLORIDA	Eglin	F-35 Fuel Cell Maintenance Hangar	11,400	11,400	77	
			Eglin TOTAL:	<u>11,400</u>		<u>11,400</u>
	Hurlburt	ADAL Special Operations School Facility	6,170	6,170	81	
			Add to Visiting Quarters (24 Rm)	4,500	4,500	84
			Base Logistics Facility	24,000	24,000	87
	Hurlburt TOTAL:	<u>34,670</u>	<u>34,670</u>			
	Patrick	Air Force Technical Applications Center	158,009	158,009	91	
			Patrick TOTAL	<u>158,009</u>		<u>158,009</u>
	FLORIDA TOTAL:	<u>204,079</u>	<u>204,079</u>			
	LOUISIANA	Barksdale	Weapons Load Crew Training Facility	18,140	18,140	95
Barksdale TOTAL:				<u>18,140</u>	<u>18,140</u>	
LOUISIANA TOTAL:				<u>18,140</u>	<u>18,140</u>	
NEVADA	Creech	UAS Airfield Fire/Crash Rescue Station	11,710	11,710	99	
			Creech TOTAL:	<u>11,710</u>		<u>11,710</u>
	Nellis	F-35 Add/Alter 422 TEST Evaluation Squadron Facility	7,870	7,870	103	
			F-35 Add/Alter Flight Test Instrumentation Facility	1,900	1,900	106
			F-35 Flight Simulator Facility	13,110	13,110	109
			F-35 Maintenance Hangar/AMU	28,760	28,760	112
Nellis TOTAL:	<u>51,640</u>	<u>51,640</u>				
NEVADA TOTAL:	<u>63,350</u>	<u>63,350</u>				

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NEW JERSEY	McGuire	Base Operations/Command Post Facility (TFI)	8,000	8,000	116	
		Dormitory (120 Room)	18,440	18,440	119	
		McGuire TOTAL:	26,440	26,440		
NEW JERSEY TOTAL:			26,440	26,440		
NEW MEXICO	Cannon	Dormitory (96 Room)	14,000	14,000	123	
		UAS Squad Ops Facility	20,000	20,000	126	
		Cannon TOTAL:	34,000	34,000		
	Holloman	UAS Add/Alter Maintenance Hangar	15,470	15,470	130	
		UAS Maintenance Hangar	22,500	22,500	133	
		Holloman TOTAL:	37,970	37,970		
	Kirtland	Aerial Delivery Facility Addition	3,800	3,800	137	
		Armament Shop	6,460	6,460	140	
		H/MC-130 Construct Fuel System Maintenance Facility	14,142	14,142	143	
		Kirtland TOTAL:	24,402	24,402		
NEW MEXICO TOTAL:			96,372	96,372		
NEW YORK	Fort Drum	20th Air Support Operations Squadron Complex	20,440	20,440	147	
		Fort Drum TOTAL:	20,440	20,440		
		NEW YORK TOTAL:	20,440	20,440		
NORTH DAKOTA	Minot	Control Tower/Base Operations Facility	18,770	18,770	151	
		Minot TOTAL:	18,770	18,770		
		NORTH DAKOTA TOTAL:	18,770	18,770		
OKLAHOMA	Tinker	Upgrade Building 3001 Infrastructure, Phase III	14,000	14,000	155	
		Tinker TOTAL	14,000	14,000		
		OKLAHOMA TOTAL	14,000	14,000		
SOUTH CAROLINA	Charleston	Civil Engineer Complex (TFI) - Phase 1	15,000	15,000	159	
		Charleston TOTAL	15,000	15,000		
		SOUTH CAROLINA TOTAL	15,000	15,000		
TEXAS	Dyess	C-130J Add/Alter Flight Simulator Facility	4,080	4,080	163	
		Dyess TOTAL:	4,080	4,080		
	Ellington	TFI - Upgrade UAV Maintenance Hangar	7,000	7,000	168	
		Ellington TOTAL	7,000	7,000		
	Lackland	BMT Satellite Classrooms/Dining Facility No. 2	32,000	32,000	172	
		One-Company Fire Station - JBSA	5,500	5,500	175	
		Recruit/Family Inprocessing & Information Center	21,800	21,800	178	
		Recruit Dormitory Phase 3	67,980	67,980	181	
	Lackland TOTAL:			127,280	127,280	
	TEXAS TOTAL:			138,360	138,360	
UTAH	Hill	F-22 T-10 Engine Test Cell	2,800	2,800	185	
		F-35 ADAL Building 118 for Flight Simulator	3,600	3,600	187A	
		F-35 ADAL Hangar 45W/AMU	6,500	6,500	187D	
		F-35A Modular Storage Magazines	2,000	2,000	187G	
		Hill TOTAL:	14,900	14,900		
UTAH TOTAL:			14,900	14,900		
VIRGINIA	Langley	F-22A Add/Alter Hangar Bay LO/CRF Facility - TFI	8,800	8,800	189	
		Langley TOTAL:	8,800	8,800		
		VIRGINIA TOTAL:	8,800	8,800		
WYOMING	Camp Guernsey	Nuclear/Space Security Tactics training Center (NSSTTC)	4,650	4,650	193	
		Camp Guernsey TOTAL	4,650	4,650		
		WYOMING TOTAL	4,650	4,650		
INSIDE THE US TOTAL:			919,845	919,845		

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STATE/COUNTRY	INSTALLATION	PROJECT	AUTH FOR		PAGE
			APPROP REQUEST	APPROP REQUEST	
AFGHANISTAN	Bagram	Consolidated Rigging Facility	9,900	9,900	206
		Fighter Hangar	16,480	16,480	209
		MEDEVAC Ramp Expansion/Fire Station	16,580	16,580	212
		Bagram TOTAL	42,960	42,960	
		AFGHANISTAN TOTAL	42,960	42,960	
BAHRAIN	Shaikh Isa	North Apron Expansion	45,000	45,000	216
		Shaikh Isa TOTAL	45,000	45,000	
		BAH TOTAL	45,000	45,000	
GERMANY	Kapaun Annex	Dormitory (128 Room)	19,600	19,600	220
		Kapaun TOTAL	19,600	19,600	
	Ramstein	Construct C-130J Flight Simulator Facility	8,800	8,800	224
		Deicing Fluid Storage & Dispensing Facility	2,754	2,754	227
		UAS Satcom Relay Pads and Facility	10,800	10,800	231
	Ramstein TOTAL:	22,354	22,354		
	Vilseck	Air Support Operations Squadron (ASOS) Complex	12,900	12,900	235
Vilseck TOTAL:	12,900	12,900			
GERMANY TOTAL:	54,854	54,854			
GUAM	Andersen	Guam Strike Ops Group & Tanker Task Force Renovtion (TFI)	9,100	9,100	239
		Guam Strike South Ramp Utilities Phase 1 (TFI)	12,200	12,200	242
		PRTC - Combat Communications Operations Facility	9,200	9,200	245
		PRTC - Commando Warrior Open Bay Student Barracks (TFI)	11,800	11,800	248
		PRTC - Red Horse Headquarters/Engineering Facility	8,000	8,000	251
		Andersen TOTAL:	50,300	50,300	
GUAM TOTAL:	50,300	50,300			
ITALY	Aviano	Air Support Operations Squadron (ASOS) Facility	10,200	10,200	255
		Dormitory (144 Rm)	19,000	19,000	258
		Aviano TOTAL:	29,200	29,200	
ITALY TOTAL:	29,200	29,200			
KOREA	Kunsan	Construct DMT Flight Simulator Facility	7,500	7,500	262
Kunsan TOTAL	7,500	7,500			
KOREA TOTAL	7,500	7,500			
QATAR	Al Udeid	Blatchford-Preston Complex, Phase III	62,300	62,300	266
Al Udeid Total	62,300	62,300			
QATAR TOTAL	62,300	62,300			
UNITED KINGDOM	Mildenhall	Extend Taxiway Alpha	15,000	15,000	270
		Mildenhall Total	15,000	15,000	
		UNITED KINGDOM TOTAL	15,000	15,000	
OUTSIDE THE US TOTAL:			307,114	307,114	
WORLDWIDE	Various	P-341 Unspecified Minor Construction	18,000	18,000	273
		P&D - Planning & Design	66,336	66,336	275
		WORLDWIDE UNSPECIFIED	84,336	84,336	
VARIOUS TOTAL:			84,336	84,336	
INSIDE THE US TOTAL:			919,845	919,845	
OUTSIDE THE US TOTAL:			307,114	307,114	
FY 2011 TOTAL:			1,311,295	1,311,295	

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; 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>FY11</u>	<u>APPROP</u> <u>(\$000)</u>	<u>AUTH FOR</u> <u>APPROP</u> <u>(\$000)</u>
NEW MISSION	439,266	439,266
CURRENT MISSION	787,693	787,693
PLANNING & DESIGN	66,336	66,336
MINOR CONSTRUCTION	<u>18,000</u>	<u>18,000</u>
TOTAL:	1,311,295	1,311,295

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CURRENT MISSION/NEW MISSION BREAKOUT

STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	TYPE
AFGHANISTAN	BAGRAM	Consolidated Rigging Facility	\$9,900	\$9,900	CM
AFGHANISTAN	BAGRAM	Fighter Hangar	\$16,480	\$16,480	CM
AFGHANISTAN	BAGRAM	MEDEVAC Ramp/Fire Station	\$16,580	\$16,580	CM
ALABAMA	MAXWELL	ADAL Air University Library	\$13,400	\$13,400	CM
ALASKA	EIELSON	Repair Central Heat and Power Plant Boiler	\$28,000	\$28,000	CM
ALASKA	ELMENDORF	Construct Railhead Operations Facility	\$15,000	\$15,000	CM
ARIZONA	DAVIS-MONTHAN	AMARG Hangar	\$25,000	\$25,000	CM
BAHRAIN	SHAIKH ISA	North Apron Expansion	\$45,000	\$45,000	CM
COLORADO	BUCKLEY	Security Forces Operations Facility	\$12,160	\$12,160	CM
COLORADO	USAF ACADEMY	Center for Character & Leadership Development	\$27,600	\$27,600	CM
FLORIDA	HURLBURT	ADAL AF Special Operations School (SOS) Facility	\$6,170	\$6,170	CM
FLORIDA	HURLBURT	Add to Visiting Quarters (24 Rm)	\$4,500	\$4,500	CM
FLORIDA	HURLBURT	Base Logistics Facility	\$24,000	\$24,000	CM
FLORIDA	PATRICK	Air Force Technical Applications Center	\$158,009	\$158,009	CM
GERMANY	KAPAUN	Dormitory - 128 Room	\$19,600	\$19,600	CM
GERMANY	RAMSTEIN	Deicing Fluid Storage & Dispensing Facility	\$2,754	\$2,754	CM
GUAM	ANDERSON	PRTC - Combat Communications Operations Facility	\$9,200	\$9,200	CM
GUAM	ANDERSON	PRTC - Commando Warrior Open Bay Barracks	\$11,800	\$11,800	CM
GUAM	ANDERSON	PRTC - Red House Headquarters/Engineering Facility	\$8,000	\$8,000	CM
ITALY	AVIANO	Dormitory (144 Rm)	\$19,000	\$19,000	CM
KOREA	KUNSAN	Construct DMT Flight Simulator	\$7,500	\$7,500	CM
LOUISIANA	BARKSDALE	Weapons Load Training Facility	\$18,140	\$18,140	CM
NEW JERSEY	MCGUIRE	Dormitory (120 Room)	\$18,440	\$18,440	CM
NEW JERSEY	MCGUIRE	Base Operations/Command Post Facility	\$8,000	\$8,000	CM
NEW MEXICO	KIRTLAND	Construct Armament Shop	\$6,460	\$6,460	CM
NORTH DAKOTA	MINOT	Control Tower/Base Operations Facility	\$18,770	\$18,770	CM
OKLAHOMA	TINKER	Upgrade Building 3001 Infrastructure Phase III	\$14,000	\$14,000	CM
QATAR	AL UDEID	Blatchford-Preston Complex, Phase III	\$62,300	\$62,300	CM
SOUTH CAROLINA	CHARLESTON	Civil Engineer Complex (TFI) - Phase 1	\$15,000	\$15,000	CM
TEXAS	LACKLAND	BMT Satellite Classroom/Dining Facility No. 2 Phase 3	\$32,000	\$32,000	CM
TEXAS	LACKLAND	One Company fire Station	\$5,500	\$5,500	CM
TEXAS	LACKLAND	Recruit/Family Inprocessing & Information Center	\$21,800	\$21,800	CM
TEXAS	LACKLAND	Recruit Dormitory 3, Phase 3	\$67,980	\$67,980	CM
UNITED KINGDOM	MILDENHALL	Extend Taxiway Alpha	\$15,000	\$15,000	CM
WYOMING	CAMP GUERNSEY	Nuclear/Space Security Tactics Training Center	\$4,650	\$4,650	CM

Current Mission TOTAL: \$787,693 \$787,693

ALASKA	ELMENDORF	F-22A Weapons Release Shop & AME	\$10,525	\$10,525	NM
ALASKA	ELMENDORF	ADAL Air Support Operations Squadron Training Facility	\$4,749	\$4,749	NM
ARIZONA	DAVIS-MONTHAN	HC-130J Aerial Cargo Facility	\$10,700	\$10,700	NM
ARIZONA	DAVIS-MONTHAN	HC-130J AGE Maintenance Facility	\$4,600	\$4,600	NM
ARIZONA	DAVIS-MONTHAN	HC-130J Parts Store	\$8,200	\$8,200	NM
ARIZONA	FORT HUACHUCA	TFI - Predator LRE Beddown	\$11,000	\$11,000	NM
ARIZONA	LUKE	F-35 Squadron Operations Facility	\$10,260	\$10,260	NM
ARIZONA	LUKE	F-35 Academic Training Center	\$54,150	\$54,150	NM
COLORADO	PETERSON	RAIDRS Space Control Facility	\$24,800	\$24,800	NM
DELAWARE	DOVER	C-5M/C-17 Maintenance Training Facility Phase 2	\$3,200	\$3,200	NM
DISTRICT OF COLUMBIA	BOLLING	Joint Air Defense Operations Center (NCR IADS)	\$13,200	\$13,200	NM
FLORIDA	EGLIN	F-35 4-Bay Fuel Cell Maintenance Hangar (3 Bay)	\$11,400	\$11,400	NM
GERMANY	RAMSTEIN	C-130J Flight Simulator	\$8,800	\$8,800	NM
GERMANY	RAMSTEIN	UAS SATCOM Relay Pads & Facility	\$10,800	\$10,800	NM
GERMANY	VILSECK	Air Support Operations Squadron (ASOS) Complex	\$12,900	\$12,900	NM
GUAM	ANDERSON	Guam Strike Tanker & Bomber Squadron Operations	\$9,100	\$9,100	NM
GUAM	ANDERSON	Guam Strike South Ramp Utilities Phase 1	\$12,200	\$12,200	NM
ITALY	AVIANO	Air Support Operations Squadron (ASOS) Facility	\$10,200	\$10,200	NM
NEVADA	CREECH	UAS Airfield Fire/Crash Rescue Station	\$11,710	\$11,710	NM
NEVADA	NELLIS	F-35 Add/Alter 422 Test Evaluation Squadron Facility	\$7,870	\$7,870	NM
NEVADA	NELLIS	F-35A Flight Simulator Facility	\$13,110	\$13,110	NM
NEVADA	NELLIS	F-35A Maintenance Hangar/AMU	\$28,760	\$28,760	NM
NEVADA	NELLIS	F-35A Add/Alter Flight Test Instrument Facility	\$1,900	\$1,900	NM
NEW MEXICO	CANNON	Dormitory (96 Room)	\$14,000	\$14,000	NM
NEW MEXICO	CANNON	UAS Squad Ops Facility	\$20,000	\$20,000	NM
NEW MEXICO	HOLLOMAN	UAS Add/Alter Maintenance Hangar	\$15,470	\$15,470	NM

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STATE/COUNTRY	INSTALLATION	PROJECT	APPROP REQUEST	AUTH REQUEST	TYPE
NEW MEXICO	HOLLOMAN	UAS Maintenance Hangar	\$22,500	\$22,500	NM
NEW MEXICO	KIRTLAND	Aerial Delivery Facility Addition	\$3,800	\$3,800	NM
NEW MEXICO	KIRTLAND	H/MC-130J Construct Fuel System Maintenance Facility	\$14,142	\$14,142	NM
NEW YORK	FORT DRUM	20th Air Support Operations Squadron	\$20,440	\$20,440	NM
TEXAS	DYESS	C-130J Add/Alter Flight Simulator Facility	\$4,080	\$4,080	NM
TEXAS	ELLINGTON FIELD	TF1 - Upgrade UAV Maintenance Hangar	\$7,000	\$7,000	NM
UTAH	HILL	F-22 T-10 Engine Test Cell	\$2,800	\$2,800	NM
UTAH	HILL	F-35 ADAL Building 118 for Flight Simulator	\$3,600	\$3,600	NM
UTAH	HILL	F-35 ADAL Hangar 45W/AMU	\$6,500	\$6,500	NM
UTAH	HILL	F-35A Modular Storage Magazines	\$2,000	\$2,000	NM
VIRGINIA	LANGLEY	F-22A Add/Alter 3rd Bay LO/CRF Facility	\$8,800	\$8,800	NM
New Mission TOTAL:			\$439,266	\$439,266	NM
WORLDWIDE UNSPECIFIED	UNSPECIFIED	Planning and Design	\$66,336	\$66,336	P&D
WORLDWIDE UNSPECIFIED	UNSPECIFIED	Unspecified Minor Construction	\$18,000	\$18,000	P-341
Central Program TOTAL:			\$84,336	\$84,336	
Active AF Program TOTAL:			1,311,295	1,311,295	

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ANDERSEN	PACAF	GUAM	238
AVIANO	USAFE	ITALY	254
BAGRAM	CENTCOM	AFGHANISTAN	205
BARKSDALE	ACC	LOUISIANA	94
BOLLING	AFDW	DISTRICT OF COLUMBIA	72
BUCKLEY	AFSPC	COLORADO	56
CAMP GUERNSEY	AFSPC	WYOMING	201
CANNON	AFSOC	NEW MEXICO	122
CHARLESTON	AMC	SOUTH CAROLINA	158
CREECH	ACC	NEVADA	98
DAVIS-MONTHAN	ACC	ARIZONA	39
DOVER	AMC	DELAWARE	68
DYESS	ACC	TEXAS	162
EGLIN	AFMC	FLORIDA	76
EIELSON	PACAF	ALASKA	25
ELLINGTON	ANG	TEXAS	167
ELMENDORF	PACAF	ALASKA	29
FORT DRUM	ACC	NEW YORK	146
FORT HUACHUCA	ANG	ARIZONA	52
HILL	AFMC	UTAH	184
HOLLOMAN	ACC	NEW MEXICO	129
HURLBURT	AFSOC	FLORIDA	80
KAPAUN ANNEX	USAFE	GERMANY	219
KIRTLAND	AFMC	NEW MEXICO	136
KUNSAN	PACAF	KOREA	261
LACKLAND	AETC	TEXAS	171
LANGLEY	ACC	VIRGINIA	188
LUKE	AETC	ARIZONA	55A
MAXWELL	AETC	ALABAMA	21
MCGUIRE	AMC	NEW JERSEY	115
MILDENHALL	USAFE	UNITED KINGDOM	269
MINOT	ACC	NORTH DAKOTA	150
NELLIS	ACC	NEVADA	102
PATRICK	AFSPC	FLORIDA	90
PETERSON	AFSPC	COLORADO	60
RAMSTEIN	USAFE	GERMANY	223
SHAIKH ISA	CENTCOM	BAHRAIN	215
TINKER	AFMC	OKLAHOMA	154
USAF ACADEMY	USAFA	COLORADO	64
VILSECK	USAFE	GERMANY	234

1. COMPONENT AIR FORCE		FY 2011 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE ARIZONA			4. COMMAND: AIR EDUCATION AND TRAINING COMMAND			5. AREA CONST COST INDEX 1.03				
6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 09	502	3966	899	119	627		934	6232	907	14,186
END FY 2015	314	3416	673	119	627		934	6232	907	13,222
7. INVENTORY DATA (\$000)										
a. Total Acreage:										5,653
b. Inventory Total as of : (30 Sep 09)										1,877,776
c. Authorization Not Yet in Inventory:										17,200
d. Authorization Requested in this Program:										64,410
f. Planned in Next Four Years Program:										20,000
g. Remaining Deficiency:										66,000
h. Grand Total:										2,045,386
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2011)										
CATEGORY		PROJECT TITLE		SCOPE		COST	DESIGN	STATUS		
CODE						,\$000	START	CMPL		
141-753	F-35 Squadrons Operations Fac			2,070	SM	10,260	Design	Build		
171-212	F-35 Academic Training Center			13,489	SM	54,150	Design	Build		
Total						64,410				
9a. Future Projects: Typical Planned Next Four Years:										
740-674	Construct Addition to Fitness Center			6,404	SM	10,000				
111-111	Repair Airfield Pavements			63,950	SM	10,000				
Total						20,000				
9b. Real Property Maintenance Backlog This Installation (\$M)										121
10. Mission or Major Functions: An F-16 flying training wing which conducts flight and crew chief training for the Combat Air Force, Air Control training and an Air Force Reserve fighter wing.										
11. Outstanding pollution and Safety (OSHA) Deficiencies:										
a. Air pollution										0
b. Water Pollution										0
c. Occupational Safety and Health										0
d. Other Environmental										0

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1. COMPONENT AIR FORCE	FY 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA			4. PROJECT TITLE F-35 ACADEMIC TRAINING CENTER		
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 171-212	7. PROJECT NUMBER NUEX093000	8. PROJECT COST (\$000) 54,150		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					37,829
FLIGHT SIMULATOR TRAINING		SM	7,814	3,090	(24,141)
PILOT ACADEMIC TNG CLASSROOMS		SM	5,675	2,218	(12,586)
ANTITERRORISM/FORCE PROTECTION		LS			(367)
SDD EPACT 05		LS			(734)
SUPPORTING FACILITIES					10,959
UTILITIES		LS			(3,070)
PAVEMENTS		LS			(2,368)
SITE IMPROVEMENTS		LS			(1,859)
COMMUNICATION REQUIREMENTS		LS			(1,327)
DEMOLITION AND RELOCATION		SM	4,565	512	(2,335)
SUBTOTAL					48,788
CONTINGENCY (5.0%)					2,439
TOTAL CONTRACT COST					51,227
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					2,920
TOTAL REQUEST					54,147
TOTAL REQUEST (ROUNDED)					54,150)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(244,899
<p>10. Description of Proposed Construction: Construct a multi-story sprinkler-equipped facility consisting of a concrete foundation, tilt-up construction (split-faced concrete block over steel frame), and sloped standing seam metal roof along with site improvements. Demolishes and relocates functions in two buildings (4,565 SM). Functional areas include training classrooms, simulator rooms, administrative support space, general storage, mechanical, electric equipment and communications, fire protection, utilities, and parking. Comply with the Special Access Program Facility (SAPF) security specifications and DoD force protection requirements per unified facilities criteria.</p> <p>Air Conditioning: 50 Tons</p>					
<p>11. Requirement: 24741 SM Adequate: 11252 SM Substandard: 0 SM</p> <p><u>PROJECT:</u> F-35 Academic Training Center. (New Mission)</p> <p><u>REQUIREMENT:</u> An Academic Training Center (ATC) is required to beddown the Joint Strike Fighter (JSF) F-35 aircraft scheduled for arrival beginning in April 2013. This facility will provide academic training for 5 flying squadrons. It contains pilot academic training classrooms and virtual trainers (all non-deployable training components), as well as administrative/operations, instructor, and engineering personnel needed to conduct initial and replenishment training of pilot personnel. Training in the ATC will be accomplished using instructor-led classroom activities, independent study via Interactive Courseware Workstations (ICW), and training in virtual simulators. Training devices and courseware associated with the ATC's training system will be maintained and upgraded by a Training System Support Center (TSSC) organization resident in the ATC.</p> <p><u>CURRENT SITUATION:</u> The installations being considered do not have facilities with</p>					

1. COMPONENT AIR FORCE	FY 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		4. PROJECT TITLE F-35 ACADEMIC TRAINING CENTER	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 171-212	7. PROJECT NUMBER NUEX093000	8. PROJECT COST (\$000) 54,150
<p>required security and space available to support the Academic Training Center for the Joint Strike Fighter.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without this project in FY2011, the F-35 beddown will be disjointed. Current plans and schedule has the F-35 aircraft arriving at the second training location in April 2013. Without this facility, training will not be able to begin, and the Air Force will not be able to train sufficient pilots to man the F-35 aircraft.</p> <p><u>ADDITIONAL:</u> The criteria/scope for this project is contained in the Joint Strike Fighter Facility Requirements Document (FRD) developed by the Lockheed Martin Aeronautics Company, and was determined in consultations with Lockheed Martin. 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 the new construction. A Certificate of Exception for Economic Analysis is being processed. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802 (c), and other applicable laws and Executive Orders. MAJCOM POC: Ms Barbara Gunter, 210-652-8229. F-35 Flight Simulator Training: 7,814 SM = 84,079 SF; F-35 Pilot Academic Training Classrooms: 5,675 SM = 61,063 SF.</p> <p><u>BASE CIVIL ENGINEER:</u> Ciboch</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 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE																								
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		4. PROJECT TITLE F-35 ACADEMIC TRAINING CENTER																									
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 171-212	7. PROJECT NUMBER NUEX093000	8. PROJECT COST (\$000) 54,150																								
<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 1,625</p> <p>(4) Construction Contract Award 11 FEB</p> <p>(5) Construction Start 11 APR</p> <p>(6) Construction Completion 13 APR</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed YES</p> <p>b. Equipment associated with this project provided from other appropriations:</p> <table border="1" data-bbox="272 945 1380 1228"> <thead> <tr> <th>EQUIPMENT NOMENCLATURE</th> <th>PROCURING APPROPRIATION</th> <th>FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>EQUIPMENT/FURNITURE</td> <td>3400</td> <td>2013</td> <td>4,899</td> </tr> <tr> <td>4 SIMULATORS</td> <td>3080</td> <td>2011</td> <td>80,000</td> </tr> <tr> <td>2 SIMULATORS</td> <td>3080</td> <td>2012</td> <td>40,000</td> </tr> <tr> <td>2 SIMULATORS</td> <td>3080</td> <td>2013</td> <td>40,000</td> </tr> <tr> <td>4 SIMULATORS</td> <td>3080</td> <td>2014</td> <td>80,000</td> </tr> </tbody> </table>				EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	EQUIPMENT/FURNITURE	3400	2013	4,899	4 SIMULATORS	3080	2011	80,000	2 SIMULATORS	3080	2012	40,000	2 SIMULATORS	3080	2013	40,000	4 SIMULATORS	3080	2014	80,000
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)																								
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1. COMPONENT AIR FORCE	FY 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		4. PROJECT TITLE F-35 SQUADRON OPERATIONS FACILITY			
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 141-753	7. PROJECT NUMBER NUEX093001	8. PROJECT COST (\$000) 10,260		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					7,206
SQUADRON OPERATIONS		SM	2,070	3,390	(7,017)
ANTITERRORISM/FORCE PROTECTION		LS			(63)
SDD EPACT 05		LS			(126)
SUPPORTING FACILITIES					2,031
UTILITIES		LS			(920)
PAVEMENTS		LS			(480)
SITE IMPROVEMENTS		LS			(380)
COMMUNICATION REQUIREMENTS		LS			(200)
DEMOLITION		SM	383	131	(50)
SUBTOTAL					9,237
CONTINGENCY (5.0%)					462
TOTAL CONTRACT COST					9,699
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					553
TOTAL REQUEST					10,252
TOTAL REQUEST (ROUNDED)					10,260)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(735
<p>10. Description of Proposed Construction: Sprinkler equipped facility consisting of a concrete foundation, masonry block, and sloped, standing seam metal roof. Squadron operations area will include flight planning, air crew briefing/debriefing, and training in a secure environment; administration, and storage and issue of flight crew life support system equipment. Also includes general storage, mechanical, electric equipment and communications, fire protection, utilities, and parking. Demolish two buildings (383 SM). Comply with SAPF security specifications and DoD force protection requirements per applicable regulations.</p> <p>Air Conditioning: 50 Tons</p>					
<p>11. Requirement: 2070 SM Adequate: 0 SM Substandard: 1116 SM</p> <p><u>PROJECT:</u> F-35 Squadron Operations facility. (New Mission)</p> <p><u>REQUIREMENT:</u> A Squadron Operations facility is required to support the beddown for the Joint Strike Fighter (JSF) F-35 aircraft scheduled for arrival beginning in April 2013. The facility is required to support the operations, debriefing, training and administration of the squadron. Space must be provided for the storage and issue of flight crew life support system equipment and personal space is required for changing into and out of flight clothing. This facility will provide adequate area for equipment and administrative spaces required to support the mission of the particular squadron or activity occupying them.</p> <p><u>CURRENT SITUATION:</u> The installations being considered lack adequate facilities to conduct squadron level operation for the F-35 mission. Existing operational squadrons are required to work, train, deploy, and fight as independent squadrons. Existing facilities are undersized and are not configured properly to support the JSF training and security needs.</p>					

1. COMPONENT AIR FORCE	FY 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA			4. PROJECT TITLE F-35 SQUADRON OPERATIONS FACILITY	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 141-753	7. PROJECT NUMBER NUEX093001	8. PROJECT COST (\$000) 10,260	
<p>IMPACT IF NOT PROVIDED: Without this project being executed in 2011, the F-35 program beddown cannot be effectively and efficiently implemented. Work arounds would have a significantly negative impact on the training mission, and could not meet the security requirements to support the F-35 program.</p> <p>ADDITIONAL: The criteria/scope for this project is contained in the JSF Facility Requirements Document (FRD) developed by the Lockheed Martin Aeronautics Company. As a new weapon system, AFH 32-1084 does not adequately address the operational, training, and security requirements of the F-35 training mission. However, the size is similar to an F-22 squadron operations facility as identified in HQ AETC Squadron Operations/Aircraft Maintenance Unit Standards. A preliminary analysis of reasonable options was accomplished comparing alternatives of status quo, renovation, addition/alteration, and new construction. It indicates the most cost effective action for immediate beddown that will meet operational requirements is an addition/alteration of an existing facility. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of the project in accordance with Executive Order 13423, 10 USC 2802 (c), and other applicable laws and Executive Orders. MAJCOM POC: Ms Barbara Gunter, (210) 652-8229. F-35 Squadron Operations Facility Addition: 950 SM = 10,222 SF; F-35 Squadron Operations Facility Renovation: 1120 SM = 12,051 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components of an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE								
3. INSTALLATION AND LOCATION LUKE AIR FORCE BASE, ARIZONA		4. PROJECT TITLE F-35 SQUADRON OPERATIONS FACILITY									
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 141-753	7. PROJECT NUMBER NUEX093001	8. PROJECT COST (\$000) 10,260								
<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 308</p> <p>(4) Construction Contract Award 11 FEB</p> <p>(5) Construction Start 11 APR</p> <p>(6) Construction Completion 12 OCT</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 1161 1018">FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th data-bbox="1161 955 1380 1018">COST (\$000)</th> </tr> </thead> <tbody> <tr> <td data-bbox="272 1029 730 1060">EQUIPMENT/FURNITURE</td> <td data-bbox="730 1029 941 1060">3400</td> <td data-bbox="941 1029 1161 1060">2011</td> <td data-bbox="1161 1029 1380 1060">735</td> </tr> </tbody> </table>				EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	EQUIPMENT/FURNITURE	3400	2011	735
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)								
EQUIPMENT/FURNITURE	3400	2011	735								

1. COMPONENT AIR FORCE		FY 2011 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 09		333	1,274	10,161	0	0	0	192	2243	205	14,408
END FY 2015		314	1,248	10,059	0	0	0	187	2234	206	14,248
7. INVENTORY DATA (\$000)											
Total Acreage:											6,797
Inventory Total as of : (30 Sep 09)											4,322,858
Authorization Not Yet in Inventory:											157,600
Authorization Requested in this Program:											14,900
Planned in Next Four Years Program:											47,600
Remaining Deficiency:											361,500
Grand Total:											4,904,458
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2011)											
CATEGORY		PROJECT TITLE		SCOPE		COST \$,000		DESIGN START		STATUS CMPL	
166-665	F-22 T-10 Engine Test Cell		4,000	SM	2,800	Design Build					
171-212	F-35 ADAL Building 118 for Flight Simulator		888	SM	3,600	Design Build					
211-111	F-35 ADAL Hangar 45W/AMU		3,003	SM	6,500	Design Build					
422-264	F-35A Modular Storage Magazines		386	SM	2,000	Design Build					
		Total				14,900					
9a. Future Projects: Typical Planned Next Four Years:											
216-642	649 MUNS Munitions STAMP/M&I Facility		3,716	SM	16,500						
211-153	Robotic NDI Facility, Phase 1		1	LS	16,400						
214-425	Consolidated Transportation Facility, phase I		1,500	SM	7,300						
442-264	Munitions Storage Igloos		1,158	SM	7,400						
		Total				47,600					
9b. Real Property Maintenance Backlog This Installation: (\$M)											138.9
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	

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1. COMPONENT AIR FORCE	FY 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. PROJECT TITLE F-35 ADAL BUILDING 118 FOR FLIGHT SIMULATOR		
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 171-212	7. PROJECT NUMBER KRSML13028	8. PROJECT COST (\$000) 3,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				2,814
SIMULATOR FACILITY ADDITION	SM	316	4,560	(1,441)
SIMULATOR FACILITY ALTERATION	SM	572	2,304	(1,318)
SDD & EPACT 05	LS			(55)
SUPPORTING FACILITIES				329
UTILITIES	LS			(125)
PAVEMENTS	LS			(105)
SITE IMPROVEMENTS	LS			(99)
SUBTOTAL				3,143
CONTINGENCY (5.0%)				157
TOTAL CONTRACT COST				3,300
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				188
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				126
TOTAL REQUEST				3,614
TOTAL REQUEST (ROUNDED)				3,600)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(120,650
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel frame, masonry walls, standing seam metal roof, fire detection/protection, special security enhancements, utilities, pavements, site improvements, landscaping, communication support and all other necessary work as required. This project will comply with antiterrorism/force protection requirements identified in DoD Unified Facilities Criteria. Air Conditioning: 40 Tons				
11. Requirement: 888 SM Adequate: 0 SM Substandard: 572 SM <u>PROJECT:</u> F-35 ADAL Building 118 for Flight Simulator. (New Mission) <u>REQUIREMENT:</u> Provide adequately sized and configured F-35A flight simulation training facility by altering building 118. The AF has announced Hill AFB as the preferred site alternative for the first squadron of F-35A fighter aircraft. The first aircraft is scheduled for delivery in FY13/4Q. Three squadrons of 24 aircraft require space for six simulators, necessitating the construction of two additional high bay (35 feet) simulator training rooms on the south end of building 118, capable of accommodating one F-35A flight simulator in each room. Two large existing bays in building 118 will accommodate two simulators each. The new construction portion must include a raised computer floor in each simulator room and all mechanical and electrical services as per AF and disc storage. Simulator training facility must comply with security requirements unique to the F-35A. Provide a Heating, Ventilation, and Air Conditioning (HVAC) system that is able to maintain a constant temperature environment for sensitive computational equipment. Provide intrusion detection and fire detection/suppression systems as per F-35A simulator training facility requirements. <u>CURRENT SITUATION:</u> There are insufficient facilities at Hill AFB to support this mission beddown. There are no other facilities on Hill AFB capable of				

1. COMPONENT AIR FORCE	FY 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH			4. PROJECT TITLE F-35 ADAL BUILDING 118 FOR FLIGHT SIMULATOR	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 171-212	7. PROJECT NUMBER KRSM113028	8. PROJECT COST (\$000) 3,600	

accommodating this mission.

IMPACT IF NOT PROVIDED: The 388 FW will not be able to provide F-35A simulation training to assigned aircrews. They must travel to other sites that have a training facility in the interim. However, without aircrew certification, the crews could be grounded and not able to deploy if necessary.

ADDITIONAL: The project meets the criteria/scope specified in Air Force Handbook 32-1084 "Facility Requirements" and the F-35 Facility Requirements Plan. A preliminary analysis of reasonable alternatives to accomplish this project (status quo, renovation, new construction) was done. It indicates there is only one option that meets operational requirements; add/alter. Therefore, a certificate of exception has been prepared. Sustainable principles, to include life cycle cost-effective practices, will be incorporated into the design, development and construction of this project in accordance with Executive Order 13423, 10 USC 2802 (c) and other applicable laws and Executive orders. Base Civil Engineer: Mr. Harry Briesmaster: (801) 777-7505. (Flight Simulator Addition: 316 SM = 3,400 AF; Flight Simulator Alteration: 572 SM = 6,155 SF).

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

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3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH			4. PROJECT TITLE F-35 ADAL BUILDING 118 FOR FLIGHT SIMULATOR	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 171-212	7. PROJECT NUMBER KRSM113028	8. PROJECT COST (\$000) 3,600	
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				108
(4) Construction Contract Award				11 FEB
(5) Construction Start				11 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)	
FURNISHINGS	3400	2011	150	
COMMUNICATIONS EQUIPMENT	3080	2011	500	
FLIGHT SIMULATORS (2)	3080	2016	40,000	
FLIGHT SIMULATORS (2)	3080	2013	40,000	
FLIGHT SIMULATORS (2)	3080	2011	40,000	

1. COMPONENT AIR FORCE	FY 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. PROJECT TITLE F-35 ADAL HANGAR 45W/AMU		
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 211-111	7. PROJECT NUMBER KRSM103012	8. PROJECT COST (\$000) 6,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES				5,175
MAINTENANCE HANGAR ADDITION	SM	543	3,439	(1,867)
MAITENANCE HANGAR ALTERATION	SM	1,035	1,720	(1,780)
AMU ALTERATION	SM	1,425	1,000	(1,425)
SDD & EPACT 05	LS			(102)
SUPPORTING FACILITIES				500
UTILITIES	LS			(150)
PAVEMENTS	LS			(250)
SITE IMPROVEMENTS	LS			(100)
SUBTOTAL				5,675
CONTINGENCY (5.0%)				284
TOTAL CONTRACT COST				5,959
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				340
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)				227
TOTAL REQUEST				6,525
TOTAL REQUEST (ROUNDED)				6,500)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(650
10. Description of Proposed Construction: Additions include reinforced concrete foundations and floor slabs, structural steel frame, fire detection/protection, utilities, pavements, site improvements, landscaping, communication support, and all other necessary support. This project will comply with antiterrorism/force protection requirements identified in DoD Unified Facilities Criteria. Air Conditioning: 75 Tons				
11. Requirement: 3003 SM Adequate: 800 SM Substandard: 1660 SM <u>PROJECT:</u> ADAL F-35 Hangar 45W/AMU in support of the first squadron of the proposed F-35A bed down. (New Mission) <u>REQUIREMENT:</u> Provide an adequately sized and configured hangar and Aircraft Maintenance Unit (AMU) to support the beddown of the F-35A weapon system. The AMU must be renovated to support the F-35A maintenance requirements, including the Autonomic Logistics Information System (ALIS) system. The first aircraft are scheduled to arrive in FY14/2Q, and be a part of the 4th Fighter Squadron, whose AMU currently occupies Hangar 45W and its associated office space. <u>CURRENT SITUATION:</u> There are insufficient facilities at Hill AFB to accommodate this mission beddown. The west maintenance hangar portion of building 45 does not have adequate depth to accomplish the various maintenance functions on the F-35A; specifically engine removal/replacement and overall maintenance functions. The east hangar of building 45 is only 61 feet deep. The minimum depth requirement for the F-35A is 91 feet according to the Facility Requirement Plan for this weapon system. The existing west AMU portion of building 45 is not suitable in terms of condition and layout. The floor plan must be reconfigured for efficiencies and renovation is required. <u>IMPACT IF NOT PROVIDED:</u> The 388th FW will not be able to receive delivery of the assigned F-35A aircraft in any significant numbers. Without the hangar extension,				

1. COMPONENT AIR FORCE	FY 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH			4. PROJECT TITLE F-35 ADAL HANGAR 45W/AMU	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 211-111	7. PROJECT NUMBER KRSM103012	8. PROJECT COST (\$000) 6,500	
<p>effective engine maintenance for the F-35A cannot be performed, proper security measures cannot be maintained and support equipment will have to be stored outdoors, subject to harsh weather conditions. The AMU must be renovated so that functions can be performed adequately and efficiently, and also so that the Autonomic Logistics Information System (ALIS) can be supported.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements" and the F-35A Facility Requirements Plan. A preliminary analysis of reasonable alternatives to accomplish this project (status quo, renovation, new construction) was done. It indicates there is only one option that will meet operational requirements; add/alter. A certificate of exception has been prepared. Sustainable principles, to include life cycle cost-effective practices, will be integrated into the project design, development and construction in accordance with Executive Order 13423 and 10 USC 2802 (c) and all applicable laws and Executive orders. Base Civil Engineer: Mr. Harry Briesmaster, (801) 777-7505. (Hangar Addition: 543 SM = 5,842 SF; Hangar Alteration: 1,035 SM = 11,136 SF; AMU Alteration; 1,425 SM = 15,333 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 2011 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. PROJECT TITLE F-35 ADAL HANGAR 45W/AMU	
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 211-111	7. PROJECT NUMBER KRSM103012	8. PROJECT COST (\$000) 6,500
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by design-build procedures			
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) All Other Design Costs			195
(4) Construction Contract Award			11 FEB
(5) Construction Start			11 MAR
(6) Construction Completion			13 JAN
(7) Energy Study/Life-Cycle analysis was/will be performed			YES
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATION EQUIPMENT	3080	11	300
FURNISHINGS	3400	11	200
SECURITY SYSTEMS	3080	11	150

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3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		4. PROJECT TITLE F-35A MODULAR STORAGE MAGAZINES			
5. PROGRAM ELEMENT 27142	6. CATEGORY CODE 422-264	7. PROJECT NUMBER KRSM103030	8. PROJECT COST (\$000) 2,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITIES					1,145
MODULAR STORAGE MAGAZINES (2 EA)		SM	386	2,909	(1,123)
SDD & EPACT 05		LS			(22)
SUPPORTING FACILITIES					575
UTILITIES		LS			(60)
PAVEMENTS		LS			(100)
SITE IMPROVEMENTS		LS			(75)
COMMUNICATIONS SUPPORT		LS			(100)
DEMOLITIONS		SM	504	476	(240)
SUBTOTAL					1,720
CONTINGENCY (5.0%)					86
TOTAL CONTRACT COST					1,806
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					103
DESIGN/BUILD - DESIGN COST (4.0% OF SUBTOTAL)					69
TOTAL REQUEST					1,978
TOTAL REQUEST (ROUNDED)					2,000)
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(75
10. Description of Proposed Construction: Construct two earth covered reinforced concrete Modular Storage Magazines (MSM) measuring 24' x 80' each, capable of storing 500,000 pounds of Class 1.1 munitions each. Work includes access roads, reinforced concrete aprons, utilities, site improvements, communications support and all other necessary work. Demolish four facilities totaling 504 SM					
11. Requirement: 1990 SM Adequate: 1604 SM Substandard: 1357 SM					
<u>PROJECT:</u> Construct F-35A Modular Storage Magazines. (New Mission)					
<u>REQUIREMENT:</u> Two properly sized and configured MSMs are required to support the new large containerized precision guided munitions associated with a proposed new mission bed-down of three squadrons of twenty four F-35A aircraft at Hill AFB, UT. Each MSM is to measure 26' x 80' with a 24' wide door opening and a full length reinforced concrete apron spanning the front to allow for heavy equipment loading/maneuvering and to connect to new MSM roads. Both MSMs will require a lightning protection system, two levels of Intrusion Detection Equipment (IDE), internal and external lighting, external phone line/Vindicator for alarm annunciation, and high security door locking mechanism. MSMs are to be constructed in locations that ensure proper drainage with no steep roadway/apron grades.					
<u>CURRENT SITUATION:</u> The AF has announced Hill AFB as the preferred site alternative for the first squadron of F-35A aircraft. There are insufficient MSMs at Hill AFB to support this new mission bed-down. All existing MSMs capable of storing 500,000 pounds of Class 1.1 munitions and which can physically accommodate the new large containerized precision guided munitions are being used to maximum capacity to support current missions.					
<u>IMPACT IF NOT PROVIDED:</u> Without these two MSMs Hill AFB will not be able to provide munitions storage for this new mission bed-down. F-35A aircrews will not have munitions available for required training operations, and Hill AFB will not be					

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<p>able to deliver the necessary weapons to the warfighter for worldwide contingency operations. Aircrews will need to travel to other training sites where munitions are available in the interim. However, without munitions training certification, aircrews could be grounded and not able to deploy if necessary.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084 "Facility Requirements." An analysis of reasonable alternatives to this project was conducted and it was determined that the only option to meet operational requirements is to construct two MSMs with the necessary specifications for an F-35A new mission bed-down. A certificate of exception has been prepared. Sustainable principles, to include Life Cycle cost-effective practices, will be integrated into the design, development, and construction of this project in accordance with Executive Order 13423, 10 USC 2802 (c) and other applicable laws and executive orders.</p> <p>Base Civil Engineer: Mr. Harry Briesmaster, (801) 777-7505. (F-35A Modular Storage Magazines: 386 SM = 4,160 SF).</p> <p><u>JOINT USE CERTIFICATION:</u> Mission requirements, operational considerations, and location are incompatible with use by other components.</p>				

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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			65
(4) Construction Contract Award			11 FEB
(5) Construction Start			11 MAR
(6) Construction Completion			12 MAR
(7) Energy Study/Life-Cycle analysis was/will be performed			NO
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
SECURITY EQUIPMENT ITEMS	3080	2011	75

Pages 196-204 Not Used